




brandeis university bulletin

1971-1972 SUPPLEMENT

graduate
school
of
arts
and
sciences

august 31, 1971



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Brandeis University

The
Graduate School
of Arts and
Sciences

1971/1972
Supplement

WALTHAM, MASSACHUSETTS

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1971-72

Suppl.

This Catalog Supplement for 1971-72 must be used in conjunction with the 1970-71 Graduate School Catalog. All degree requirements are listed in the latter catalog except for such changes that become effective for the 1971-72 academic year. For these changes, consult the department in which you are registered.

Only courses which will be offered in 1971-72 are listed. Where the 1970-71 catalog shows courses which are not listed in the supplement, it means that the courses are either starred for 1971-72 or have been dropped. In most cases, course descriptions will be found in the 1970-71 catalog.

Changes to be made in the front section of the catalog.

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Fall Term

Monday	October 25	No University exercises. (University exercises will be held as usual on Thursday, November 11).
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Areas of Graduate Study

Add: Literary Studies

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University Health Services

The Director and his staff are responsible for providing for the physical and emotional well-being of students. Payment of the infirmary fee, included in the tuition, entitles students to services available at the David A. Stoneman Infirmary and at the Psychological Counseling Center, located in Lemberg Hall. Except for limited day-care facilities, the Health Services and the use of the Infirmary are available to students only during the period in which the University is in regular academic session.

Prospective students planning to matriculate in the Graduate School are responsible for the submission of a Health Examination Report completed by their family or personal physician. In addition to information about previous health and details of the physical examination, evidence of immunization against smallpox and tetanus are required. If possible, protection against poliomyelitis is desirable. Since students may not register until these requirements have been satisfied, it is strongly urged that reports be submitted by July 1.

The Student Health Insurance Plan helps to defray expenses for a period of one year, commencing September 1, for care situations beyond the scope of the Health Services. A brochure outlining the details of the Plan as well as the services offered by the University Health Services is mailed to each student prior to registration. Students are urged to read this brochure carefully and keep it for reference. Whereas situations not covered within the Health Services or by an Insurance Plan are infrequent, an awareness of these possibilities will tend to lessen misunderstanding and disappointment. In such instances students or their parents will be responsible for expenses which are not covered by the University health plan or an associated insurance policy.

Within the limitations of the insurance program, fees of physicians who are not members of the Health Services staff, laboratories and hospitals will be processed for payment only when consultations, laboratory or x-ray studies or hospitalization have been authorized by the University Health Services in advance on a form provided for this purpose. The University is not responsible for off-campus medical and hospital care sought by students or their parents on their own initiative, or for outside care or consultation which has not been authorized previously by the Health Services. The only exception to this is in case of an emergency, or illnesses or injuries occurring while away from the University, when such prior authorization is not feasible.

Exceptions: The Infirmary Fee is not included in the tuition payments of the Special Student. The Special Student, may, however, subscribe separately for coverage by the University Health Services.

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Insert for page 26

GRADUATE SCHOOL PLACEMENT OFFICE

Graduate students who will be seeking employment should register with the Graduate Placement Office located in Rabb Graduate Center, Room 115. Placement files are maintained for present and former graduate students.

Inquiries regarding part-time or full-time employment for graduate students should be addressed to this office.

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Tuition Fee: The fees for tuition in the Graduate School for 1971-72 are as follows:

Full-time resident students: \$2,900 per year, or \$1,450 per semester.

Part-time resident students:

<u>Per Semester</u>	<u>Per Year</u>	<u>Fraction Program of Study</u>
\$1,087.50	\$2,175.00	Three-quarters
\$ 725.00	\$1,450.00	One-half
\$ 362.50	\$ 725.00	One-quarter

Special Students: \$357.50 per course per semester.

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Students Health Insurance Program: \$90.00. Payment of the health insurance fee entitles the student to participate in the benefits of the health insurance program. The fee is payable at or before registration and no portion is refundable after the student has formally registered. All graduate students are required to have health insurance coverage. If they do not subscribe to the University's health insurance plan, they must present proof of outside coverage to the Graduate School Office on or before registration in the fall.

Exceptions: Special students registered for fractional programs are not required to have health insurance but may opt to take such coverage.

Dependent Coverage: Although the health services offered at Stoneman Infirmary are not extended to dependents of students, an optional family health insurance plan is available to married students for a fee of \$354.00. Special students are not eligible for this plan.

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SCHOLARSHIPS

Full scholarships in the value of \$2,900 and partial scholarships are available.

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Office of Student Employment

The Office of Student Employment assists students who need and desire part-time work. Students seeking part-time work should register with this office. New students will be registered only upon arrival on campus in the fall. Prior assignments cannot be made.

The on-campus, part-time student rate is \$1.60-\$2.20 an hour. Students can expect to earn from \$200 to \$400 a year.

ANTHROPOLOGY

FACULTY

Associate Professor David Kaplan, Chairman.

Professor Helen Codere

Professor Robert A. Manners

*Professor Alex Weingrod

Associate Professor George L. Cowgill

Associate Professor Robert C. Hunt, Graduate Student Adviser

Associate Professor Benson Saler

*Assistant Professor Joan Bamberger

*Assistant Professor David Jacobson

Assistant Professor David A. Horr

**Assistant Professor E. Craig Morris

Assistant Professor Karl M. I. Reisman

*Assistant Professor Marguerite S. Robinson

Lecturer Timothy Asch

* On Leave, 1971-72.

** On Leave, Fall Term, 1971-72

ANTHROPOLOGY

Courses of Instruction

ANTHROPOLOGY 102a.	Anthropological Linguistics I	<u>Mr. Reisman</u>
ANTHROPOLOGY 102b.	Anthropological Linguistics II	<u>Mr. Reisman</u>
ANTHROPOLOGY 103b.	Language and Culture	<u>Mr. Reisman</u>
ANTHROPOLOGY 106b.	Human Ecology	<u>Messrs. Horr, Kaplan and Morris</u>
ANTHROPOLOGY 109bR.	Archaeological Methods	<u>Mr. Morris</u>
ANTHROPOLOGY 111a.	Primates	<u>Mr. Horr</u>
ANTHROPOLOGY 121b.	Mathematical Methods in Anthropology	<u>Mr. Cowgill</u>
ANTHROPOLOGY 123a.	Archaeology and Prehistory	<u>Mr. Cowgill</u>
ANTHROPOLOGY 127a.	The First Complex Societies and Cities	
<p>A study of transformation and processes involved in the origins and functioning of the earliest states and urban societies. Comparisons are made between early civilizations in Egypt, Mesopotamia, Pakistan and India, China, Mesoamerica, and South America. The intention is partly toward an appreciation of these cultures for their own sakes, but mainly toward causal understandings and general principles which may be of wider relevance. Social political, economic, ideological, technological and ecological factors are emphasized.</p>		
	<u>Prerequisite:</u> Permission of the instructor.	<u>Mr. Cowgill</u>
ANTHROPOLOGY 140a.	Prehistory of North American Indians	
<p>The prehistory of American societies from the Late Pleistocene to the European Conquest.</p>		
		<u>Mr. Morris</u>
ANTHROPOLOGY 141b.	The American Indian	
<p>An examination of the ethnographic background of North American Indian cultures and the place of American Indians in the contemporary world.</p>		
		<u>Mr. Manners</u>
ANTHROPOLOGY 145b.	The Development of Andean Civilization	<u>Mr. Morris</u>
ANTHROPOLOGY 151a.	Social Organization	<u>Mr. Hunt</u>
ANTHROPOLOGY 151b.	Social Organization	<u>Mr. Jacobson</u>
ANTHROPOLOGY 153a.	Primitive Art	<u>Miss Codere</u>
ANTHROPOLOGY 154a.	Primitive Religion	<u>Mr. Saler</u>
ANTHROPOLOGY 155b.	Culture and Personality	<u>Mr. Saler</u>

(more)

- ANTHROPOLOGY 158a. Urban Anthropology Mr. Jacobson
- ANTHROPOLOGY 159a. Anthropology and Modern Life
The relevance of anthropological methods, theory and findings to an understanding of some contemporary social issues. Mr. Manners
- ANTHROPOLOGY 160b. An Anthropological Perspective on the Third World
Seminar on the origins of modern imperialism and colonialism and their impact on the cultures and societies of selected areas of the underdeveloped world.
Prerequisite: Permission of the instructor. Mr. Manners
- ANTHROPOLOGY 168a. A History of Sub-Sahara Africa
See History 185a. Mr. Duffy
- ANTHROPOLOGY 175a. Proseminar in Anthropological Method and Theory: I
Miss Codere and Mr. Reisman
- ANTHROPOLOGY 177b. Proseminar in Archaeological Method and Theory
An examination of important techniques, and theoretical and methodological issues, in contemporary archaeology.
Prerequisite: Permission of the instructor. Mr. Cowgill
- ANTHROPOLOGY 180b. Historical Anthropology
Anthropology and history in anthropological thinking, problems, methods and writings on cultural and social change. Readings on historiography and historical analysis and method, and of model historical studies in prosopography and intellectual and social history. Consideration of selected anthropological-historical studies.
Miss Codere
- ANTHROPOLOGY 210b. Special Topics in Anthropological Analysis
This course will be taught by a different instructor each year and will deal with selected problems in anthropology. Miss Codere
- ANTHROPOLOGY 212b. Behavioral Anthropology
A seminar designed to combine materials from anthropology, human behavioral studies and primate behavior in an attempt to clarify selected aspects of human behavior. Mr. Horr
- ANTHROPOLOGY 226. Readings in Research in Archaeology Mr. Cowgill
- ANTHROPOLOGY 227. Readings in Research in Linguistics Mr. Reisman
- ANTHROPOLOGY 228. Advanced Readings in Method and Theory
Messrs. Kaplan and Manners
- ANTHROPOLOGY 235. Readings and Research in Latin American Cultures
Mr. Hunt

(more)

ANTHROPOLOGY 237.	Readings and Research in African Cultures <u>Mr. Jacobson</u>
ANTHROPOLOGY 238.	Readings and Research in Urban Anthropology <u>Mr. Jacobson</u>
ANTHROPOLOGY 239.	Readings and research in North American Indian Cultures <u>Mr. Manners</u>
ANTHROPOLOGY 240.	Readings and Research in Cultures of the Caribbean <u>Mr. Reisman</u>
ANTHROPOLOGY 245.	Readings and Research in Physical Anthropology <u>Mr. Horr</u>
ANTHROPOLOGY 300a and b.	Seminar in Anthropological Field Work <u>Mr. Hunt</u>
ANTHROPOLOGY 302.	Summer Research Training <u>Staff</u>
ANTHROPOLOGY 303b.	Seminar on Intercultural Tensions <u>Messrs. Hunt and Kaplan</u>
ANTHROPOLOGY 305.	Anthropological Colloquium <u>Staff</u>
ANTHROPOLOGY 350.	Anthropological Review <u>Staff</u>
ANTHROPOLOGY 400-410.	Dissertation Research
400. <u>Miss Codere</u>	406. <u>Mr. Manners</u>
401. <u>Mr. Cowgill</u>	407. <u>Mr. Reisman</u>
402. <u>Mr. Jacobson</u>	*408. <u>Mrs. Robinson</u>
403. <u>Mr. Hunt</u>	409. <u>Mr. Saler</u>
404. <u>Mr. Horr</u>	*410. <u>Mr. Weingrod</u>
*405. <u>Miss Bamberger</u>	

* On Leave, 1971-72

BIOCHEMISTRY

FACULTY

Professor Lawrence Levine, Chairman
Professor Robert H. Abeles
Professor Gerald D. Fasman
Professor Lawrence Grossman
Professor William P. Jencks
Professor John M. Lowenstein
Professor Serge N. Timasheff
Associate Professor David M. Freifelder
Associate Professor Thomas C. Hollocher, Jr.
Adjunct Associate Professor Julian Kanfer
Adjunct Associate Professor Farahe Maloof
Associate Professor William T. Murakami
Associate Professor Morris Soodak
Associate Professor Helen Van Vunakis
Research Assistant Professor Susan E. Leeman
Adjunct Assistant Professor Dwight Robinson
Assistant Professor Robert F. Schleif

BIOCHEMISTRY

Courses of Instruction

BIOCHEMISTRY 100a. Introductory Biochemistry

Chemistry, reactions and metabolism of biologically important compounds. Formation and utilization of "energy-rich" compounds. Introduction to enzyme mechanisms. An attempt will be made to interrelate and compare basic biochemical and chemical processes.

Prerequisite: Chemistry 25a and b.

Messrs. Jencks and Abeles

BIOCHEMISTRY 101. Advanced Biochemistry Mr. Abeles and StaffBIOCHEMISTRY 200. Biochemistry Techniques Miss Van VunakisBIOCHEMISTRY 201. Physical Biochemistry Mr. Timasheff and Staff

BIOCHEMISTRY 203a and b. Biochemistry and Molecular Biology of Nucleic Acids

A study of the chemistry, biochemistry and physiological properties of nucleic acids. The second semester will deal with the mechanism of protein synthesis, cell physiology and virus infected cell physiology.

Prerequisites: Elementary biochemistry, physics and calculus.

Messrs. Freifelder, Grossman,
Murakami and Schleif

BIOCHEMISTRY 204b. Physiological Chemistry

Chemistry and metabolism of blood, specialized glands and tissues, including endocrine secretions and vitamins.

Prerequisite: Biochemistry 100a or the equivalent. Mrs. Leeman and Mr. Loomis

BIOCHEMISTRY 207b. Immunochemistry

An introduction to the basic concepts of immunobiology and immunochemistry. Mode and mechanism of antibody synthesis and of antigen-antibody interaction; application of immunochemical methods to the estimation and characterization of proteins, polysaccharides, enzymes and hormones. The laboratory work will give experience in basic immunochemical techniques in the form of individual research problems.

Prerequisite: Consent of the instructors.

Two lecture hours and one afternoon laboratory a week. 4 credits.

Mr. Levine and Miss Van Vunakis

BIOCHEMISTRY 208b. Metabolic Regulation Mr. LowensteinBIOCHEMISTRY 212a. Neurochemistry Mrs. Leeman, Messrs. Levine
and Soodak

(more)

Seminars

BIOCHEMISTRY 219b.	Mechanism of Enzyme Action	<u>Messrs. Abeles and Jencks</u>
BIOCHEMISTRY 223a.	Hormones: Function, Structure, Mechanism of Action	<u>Mrs. Leeman</u>
BIOCHEMISTRY 225b.	Biochemical Genetics	<u>Mr. Freifelder</u>
BIOCHEMISTRY 227a.	Selected Topics in Protein Chemistry	<u>Mr. Fasman and Miss Van Vunakis</u>
BIOCHEMISTRY 401-415.	Biochemical Research Problems	
401. Mr. Jencks	409. Mrs. Leeman	
402. Mr. Levine	410. Mr. Soodak	
403. Mr. Loomis	411. Miss Van Vunakis	
404. Mr. Timasheff	412. Mr. Freifelder	
405. Mr. Abeles	413. Mr. Hollocher	
406. Mr. Fasman	414. Mr. Murakami	
407. Mr. Lowenstein	415. Mr. Schleif	
408. Mr. Grossman		

BIOLOGY

FACULTY

Professor Herman T. Epstein, Chairman

Professor Mordhay Avron, Jacob Ziskind Visiting Professor in Biology

Professor Martin Gibbs

Professor Harlyn O. Halvorson: Developmental Genetics and Biochemistry

Professor Albert Kelner

Professor Jerome A. Schiff

Professor Maurice Sussman

Professor Andrew G. Szent-Gyorgyi

Professor Edgar Zwilling

Associate Professor Chandler Fulton, Graduate Student Adviser

Associate Professor Attila O. Klein

Associate Professor Raymond E. Stephens

Assistant Professor David Gillespie

Assistant Professor Gjerding Olsen

BIOLOGY

Courses of Instruction

BIOLOGY 101b. Comparative Physiology of Animals

An intensive comparison will be presented of the mechanisms which diverse organisms have evolved to deal successfully with similar environmental challenges. Similarities and dissimilarities in the processes operating to regulate metabolism reproduction, sensitivity and reactivity in animals will be studied.

Prerequisites: Biology 31b and 41a or the equivalent.

Three classroom and three laboratory hours a week. 5 credits.

Laboratory fee: \$15. Mr. Olsen

BIOLOGY 103a. Cell Structure and Function

Molecular architecture of the living cell and its relationship to life processes. The generalized cell, the cell in division, and the specialized cell will be considered from the viewpoint of classical cytology and also in terms of current biochemical, optical, and electron-optical studies.

Prerequisite: Permission of the instructor.

Three classroom hours and three laboratory hours a week. 5 credits.

Laboratory fee: \$15. Mr. Stephens

BIOLOGY 104b. Cell in Development and Heredity

A selected topic in cell biology will provide the focus for discussions of contemporary problems. Most of the extensive reading will be original research papers, and students will be expected to participate actively in the classroom.

Prerequisite: Biology 40aR or permission of the instructor.

Mr. Fulton

BIOLOGY 108a. Vertebrate Endocrinology Mr. Olsen

BIOLOGY 131b. Problems in Animal Morphogenesis

A seminar discussion of problems encountered in studies of animal development. current and older literature on designated topics will be evaluated.

Prerequisite: Biology 40aR or the equivalent.

Three classroom hours. Mr. Zwilling

BIOLOGY 140b. DNA Repair: Its Genetic and Evolutionary Aspects

A comprehensive review of DNA repair (photoreactivation and dark repair) emphasizing its place in biology. Topics included: relation of repair to the origin of life and early evolution of cells; repair considered as a gene stabilizing mechanism; role of ultraviolet light during evolution; natural selection for repair in contemporary life.

Prerequisites: Biology 30a, 31b, or the equivalent; or permission of instructor.

Mr. Keiner

BIOLOGY 141a. Physical Biology

Physical methods; treatment of experimental data; physical aspects of vision and hearing; introduction to radiobiology and theoretical biology; forces involved in biological events; structure and properties of membranes.

Prerequisite: Satisfactory grades in full year courses in biology, chemistry, mathematics and physics.

Three classroom hours. Mr. Epstein

(more)

BIOLOGY 200b. Advanced Biology

A series of intensive explorations of selected major areas of biology, each one about three weeks in length. This year the areas will be physiology and development. Mr. Fulton and Staff

BIOLOGY 240a. Photochemical Events in Photosynthesis
Mr. Avron

BIOLOGY 245a. Selected Topics in Plant Metabolism

A discussion of those areas of physiology and biochemistry to which plants lend themselves as experimental objects. Conspicuous examples are photosynthesis, photomorphogenesis, nitrogen fixation, and the biosynthesis of natural products such as anthocyanins, flavonoids, isoprenoids, phenols, terpenes, etc.

Three classroom hours a week. 2 credits. Mr. Gibbs

BIOLOGY 245b. Comparative Physiology and Biochemistry of Plants

See Biology 245a. Messrs. Klein and Schiff

BIOLOGY 250a. The Biochemistry and Molecular Genetics of Development

Pertinent original papers from the current literature will be presented by individual class members and by the instructors, and will be discussed and evaluated.

Three classroom hours a week. Messrs. Sussman and Halvorson

Courses in ResearchBIOLOGY 300a and b. Biological Research StaffBIOLOGY 400. Biophysics of Microorganisms Mr. EpsteinBIOLOGY 401. Genetics and Microbiology Mr. Kelner

BIOLOGY 402. Developmental Genetics and Biochemistry

Laboratory hours and credits to be arranged.

Laboratory fee: \$25. Mr. Halvorson

BIOLOGY 403. Microbial Genetics Mr. GillespieBIOLOGY 404. Vertebrate Physiology Mr. OlsenBIOLOGY 405. Invertebrate Development Mr. FultonBIOLOGY 406. Plant Physiology Mr. SchiffBIOLOGY 408. Differentiation and Genetics Mr. SussmanBIOLOGY 409. Vertebrate Development Mr. ZwillingBIOLOGY 410. Plant Development Mr. Klein

(more)

BIOLOGY 411.	Cytology	<u>Mr. Stephens</u>
BIOLOGY 412.	Plant Metabolism	<u>Mr. Gibbs</u>
BIOLOGY 413.	General Physiology	<u>Mr. Szent-Gyorgyi</u>

BIOPHYSICS

FACULTY

Associate Professor Thomas C. Hollocher, Jr. (Biochemistry), Chairman

Professor Eugene P. Gross (Physics)

*Professor Henry Linschitz (Chemistry)

Professor Andrew Szent-Gyorgi (Biology)

Professor Serge N. Timasheff (Biochemistry)

Courses of Instruction

BIOPHYSICS 300a and b.

Biophysical Techniques

Staff

* On Leave, 1971-72.

CHEMISTRY

FACULTY

- ***Professor Saul G. Cohen, Chairman (1st term)
- **Professor Paul B. Dorain, Chairman (2nd term)
- Professor Sidney Golden
- Professor Ernest Grunwald
- Professor James B. Hendrickson
- *Professor Henry Linschitz
- Professor Myron Rosenblum
- Professor Robert Stevenson
- Associate Professor Michael Henschman, Graduate Student Adviser
- ***Associate Professor Peter C. Jordan, Assistant Chairman (1st term)
- Associate Professor Kenneth Kustin
- Associate Professor Colin Steel
- Associate Professor Thomas R. Tuttle, Jr.
- Adjunct Associate Professor E. Hayon: Radiation chemistry and photochemistry
- Assistant Professor Carlos R. Abeledo
- Assistant Professor I. Y. Chan: Spectroscopic and magnetic resonance studies of: excited states of organic and biological molecules; paramagnetic ions in crystals.
- Assistant Professor Irving R. Epstein: Quantum mechanical calculations of molecular properties; molecular momentum distributions; Compton scattering and X-ray diffraction; chemistry of boron hydrides and carboranes.
- Assistant Professor Philip M. Keehn: Synthesis of structurally interesting molecules; new methods and reagents in organic synthesis; photooxidation; reaction mechanisms.
- Assistant Professor Ronald J. Parry: Studies in the mechanism and stereochemistry of biosynthesis; radioactive tracers.

* On Leave, 1971-72

** On Leave, Fall Term, 1971-72

*** On Leave, Spring Term, 1971-72

CHEMISTRY

Courses of Instruction

CHEMISTRY 110b.	Analytical Chemistry	<u>Mr. Tuttle</u>
CHEMISTRY 121a.	Inorganic Chemistry I	<u>Mr. Abeledo</u>
CHEMISTRY 130a.	Advanced Organic Chemistry: Structure	<u>Mr. Rosenblum</u>
CHEMISTRY 131a.	Advanced Organic Chemistry: Topics in Structure and Relativity	
Bond properties. Aromaticity and tautomerism. Acids and bases. Linear free energy relations.		
<u>Prerequisite:</u> Satisfactory grades in undergraduate courses in organic and physical chemistry.		<u>Mr. Cohen</u>
CHEMISTRY 132b.	Advanced Organic Chemistry: Spectroscopy	
Application of physical and spectroscopic methods to the elucidation of structure and stereochemistry of organic compounds.		
<u>Prerequisite:</u> Satisfactory grade in Chemistry 130a or permission of the instructor.		<u>Mr. Rosenblum</u>
CHEMISTRY 141a and b.	Advanced Physical Chemistry	<u>Mr. Golden, 1st term</u> <u>Mr. Kustin, 2nd term</u>
CHEMISTRY 142b.	Advanced Physical Chemistry II	<u>Mr. Epstein</u>
CHEMISTRY 143a.	Advanced Physical Chemistry II	<u>Mr. Tuttle</u>
CHEMISTRY 144a.	Structure and Spectroscopy	<u>Mr. Chan</u>
BIOCHEMISTRY 100a	Introductory Biochemistry	
See Biochemistry for description.		
<u>Prerequisite:</u> Chemistry 25a and b.		<u>Messrs. Abeles and Jencks</u>
CHEMISTRY 200.	Advanced Chemistry Laboratory	<u>Staff</u>
CHEMISTRY 220c.	Inorganic Chemistry Seminar	<u>Mr. Abeledo and Mrs. Dudek</u>
CHEMISTRY 222b.	Advanced Inorganic Chemistry II	<u>Mr. Dorain</u>
CHEMISTRY 231c.	Organic Chemistry Seminar	<u>Messrs. Hendrickson, Rosenblum and Stevenson</u>
CHEMISTRY 232b.	Chemistry of Heterocyclic Compounds	<u>Mr. Hendrickson</u>
CHEMISTRY 237a.	The Chemistry of Natural Products	<u>Mr. Stevenson</u>

(more)

CHEMISTRY 240c.	Physical-Organic Chemistry Seminar	<u>Mr. Steel</u>
CHEMISTRY 241c.	Physical Chemistry Seminar	<u>Mr. Henchman</u>
CHEMISTRY 244b.	Special Topics in Physical Chemistry: Radiation Chemistry and Photochemistry	

Interaction of light with atoms and simple molecules. Primary physical and chemical processes. Photophysical processes of electronically excited molecules. Radiation chemistry of liquids and gases; radiation biochemistry.

Mr. Hayon

CHEMISTRY 245a.	Physical Organic Chemistry	<u>Mr. Grunwald</u>
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CHEMISTRY COLLOQUIUM

Lectures by faculty and invited speakers. Required of all graduate students.

Non-credit.

Courses in Research

CHEMISTRY 400.	Organic Chemistry and Physical Organic Chemistry	<u>Mr. Cohen</u>
CHEMISTRY 401.	Organic Chemistry	<u>Mr. Stevenson</u>
CHEMISTRY 402.	Organic Chemistry	
CHEMISTRY 403.	Organic Chemistry	<u>Mr. Rosenblum</u>
CHEMISTRY 404.	Organic Chemistry	<u>Mr. Hendrickson</u>
CHEMISTRY 405.	Physical Chemistry	<u>Mr. Golden</u>
CHEMISTRY 406.	Physical Chemistry	<u>Mr. Linschitz</u>
CHEMISTRY 407.	Physical and Inorganic Chemistry	<u>Mr. Dorain</u>
CHEMISTRY 408.	Physical Chemistry	<u>Mr. Tuttle</u>
CHEMISTRY 409.	Inorganic Chemistry	<u>Mr. Kustin</u>
CHEMISTRY 410.	Physical and Inorganic Chemistry	<u>Mr. Abeledo</u>
CHEMISTRY 411.	Physical Chemistry	<u>Mr. Steel</u>
CHEMISTRY 412.	Physical and Physical Organic Chemistry	<u>Mr. Grunwald</u>
CHEMISTRY 413.	Physical Chemistry	<u>Mr. Jordan</u>
CHEMISTRY 414.	Physical Chemistry	<u>Mr. Henchman</u>

(more)

CHEMISTRY 415. Physical Chemistry

Quantum mechanical calculations of molecular properties; molecular momentum distributions; Compton scattering and X-ray diffraction; chemistry of boron hydrides and carboranes.

Mr. Epstein

CHEMISTRY 416. Physical Chemistry

Spectroscopic and magnetic resonance studies of: excited states of organic and biological molecules; paramagnetic ions in crystals.

Mr. Chan

CHEMISTRY 417. Organic Chemistry

Synthesis of structurally interesting molecules; new methods and reagents in organic synthesis; photooxidation; reaction mechanisms.

Mr. Keehn

CHEMISTRY 418. Organic Chemistry

Studies in the mechanism and stereochemistry of biosynthesis; radioactive tracers.

Mr. Parry

COMPARATIVE HISTORY

FACULTY

Professor Eugene C. Black, Chairman

Professor Geoffrey Barraclough

*Professor David S. Berkowitz

Professor Rudolph Binion

Professor David H. Fischer

*Associate Professor John P. Demos

Associate Professor John E. Schrecker: East Asian History

***Associate Professor Milton I. Vanger

Assistant Professor Gerald L. Soliday

* On Leave, 1971-72

*** On Leave, 2nd Term, 1971-72

COMPARATIVE HISTORY

Courses of Instruction

- COMPARATIVE HISTORY 201a. Introduction to Comparative History
Mr. Black and Staff
- COMPARATIVE HISTORY 230a and b. Revolts and Revolutions in Seventeenth
Century Europe Mr. Soliday
- COMPARATIVE HISTORY 255a. Comparative Revolutions
A comparative study of the French, Russian and Chinese Revolutions.
Messrs. Black and Schrecker
- COMPARATIVE HISTORY 260b. Growth of Modern Industrial Society
Urbanization and industrialization as categories in comparative history.
Mr. Black
- COMPARATIVE HISTORY 279b. European Socialism since Babeuf
Mr. Binion
- COMPARATIVE HISTORY 280a. History and Psychology of Hitler and Nazism
Hitler and Nazism considered as problems in psychological history.
Mr. Binion
- COMPARATIVE HISTORY 280b. The Third Reich
The institutions and culture of Nazi Germany. Mr. Binion
- COMPARATIVE HISTORY 301-309. Independent Study: Period Field
- | | |
|-----------------------------|---------------------------|
| 301. <u>Mr. Barraclough</u> | 306. <u>Mr. Lane</u> |
| 302. <u>Mr. Berkowitz</u> | 307. <u>Mr. Schrecker</u> |
| 303. <u>Mr. Binion</u> | 308. <u>Mr. Soliday</u> |
| 304. <u>Mr. Black</u> | 309. <u>Mr. Demos</u> |
| 305. <u>Mr. Fischer</u> | |
- COMPARATIVE HISTORY 351-359. Independent Study: Category Field
- | | |
|-----------------------------|---------------------------|
| 351. <u>Mr. Barraclough</u> | 356. <u>Mr. Lane</u> |
| 352. <u>Mr. Berkowitz</u> | 357. <u>Mr. Schrecker</u> |
| 353. <u>Mr. Binion</u> | 358. <u>Mr. Soliday</u> |
| 354. <u>Mr. Black</u> | 359. <u>Mr. Demos</u> |
| 355. <u>Mr. Fischer</u> | |
- COMPARATIVE HISTORY 391-399.
- | | |
|-----------------------------|---------------------------|
| 391. <u>Mr. Barraclough</u> | 396. <u>Mr. Lane</u> |
| 392. <u>Mr. Berkowitz</u> | 397. <u>Mr. Schrecker</u> |
| 393. <u>Mr. Binion</u> | 398. <u>Mr. Soliday</u> |
| 394. <u>Mr. Black</u> | 399. <u>Mr. Demos</u> |
| 395. <u>Mr. Fischer</u> | |

(more)

401.	<u>Mr. Barraclough</u>	405.	<u>Mr. Fischer</u>
402.	<u>Mr. Berkowitz</u>	406.	<u>Mr. Lane</u>
403.	<u>Mr. Binion</u>	407.	<u>Mr. Soliday</u>
404.	<u>Mr. Black</u>	408.	<u>Mr. Demos</u>

HISTORY 133b. Lord and Peasant in Western Europe before 1800
Messrs. Soliday and Schwalberg

HISTORY 134a. The European Nobility in the Eighteenth Century
A study of the economic, social and political position of various European nobilities (English, French, Spanish, Swedish, and German) vis-avis their monarchs. Emphasis will be on various attempts at reform in the old regime and on the notion of an "aristocratic reaction."
Mr. Soliday

HISTORY 136a. Ideology and the Explanation of Belief
See History of Ideas 186a. Mr. MacIntyre

HISTORY 139a. World History of the Last Century

The origins of the contemporary world with emphasis on non-European as well as Western history. The first semester will extend from 1870 to the peace settlement after the first World War.

Mr. Barraclough

HISTORY 139b. World History of the Last Century

Continuation of History 139a. The second semester will begin with the world economic depression of 1929 and extend to the racial conflicts of the present.

Mr. Barraclough

HISTORY 140a. Intellectual History of Modern Europe, 1789-1890
See History of Ideas 140a. Mr. Izenberg

HISTORY 140b. . Intellectual History of Contemporary Europe, 1930-1960
See History of Ideas 140b. Mr. Izenberg

HISTORY 144a. Studies in British History, 1851 to the Present
Mr. Black

HISTORY 150b. American Colonial History

Readings and discussion concerning major historical interpretations of early American history.

Mr. Fischer

HISTORY 152b. Problems of Democracy in Jacksonian America
Mr. Mevers

HISTORY 153b. American Civil War and Reconstruction
Readings and discussions about the cause and consequences of the Civil War.
Mr. Fischer

(more)

HISTORY 163a. The American Political Tradition: Origins
 to the Civil War Mr. Meyers

HISTORY 164a. The American Polity in the Nineteenth Century

An examination of nineteenth century political life in America--political parties and election, government, courts and the law--and its inter-play with the dominant social, economic and intellectual currents of the time.

Mr. Keller

HISTORY 164b. The American Polity in the Twentieth Century

A continuation of History 164a.

Mr. Keller

HISTORY 171a. Latin American History: Colonial and Post-Colonial

Conquest, Empire, Independence, and the pattern of National politics and economics to 1890. Discussion of readings supplemented by lectures. This course is recommended as a first course in Latin American history.

Mr. Vanger

HISTORY 180aR. Modern China

A selective treatment of Chinese history since the Opium War. Some of the topics to be discussed will deal with general themes such as local government or economic development; others will cover specific events or periods such as the Reform Movement of 1898 or China since 1949.

Prerequisite: History 80bR or permission of the instructor.

Mr. Schrecker

HISTORY 185a. Studies in Sub-Sahara African History

See Anthropology 168a.

Mr. Duffey

HISTORY 190. Philosophy of History and the Social Sciences

See History of Ideas 108.

Mr. MacIntyre

CONTEMPORARY JEWISH STUDIES

FACULTY

*Associate Professor Leon A. Jick, Director
Assistant Professor Bernard Reisman, Associate Director
Professor Naftali C. Brandwein
Professor Arnold Gurin
Professor Benjamin Halpern
*Professor Nahum M. Sarna
Professor Marshall Sklare
Associate Professor Leonard J. Fein
Assistant Professor Emanuel Goldsmith
Assistant Professor Joseph S. Lukinsky
Lecturer Joshua Rothenberg

*On Leave, 1971-72

CONTEMPORARY JEWISH STUDIES

Courses of Instruction

CJS 21.	Introductory Yiddish	
See NEJS 21.		<u>Mr. Szulkin</u>
CJS 24.	Intermediate Yiddish	
See NEJS 24.		<u>Mr. Rothenberg</u>
YIDDISH 10.	Readings in Yiddish Literature	
See NEJS		<u>Mr. Goldsmith</u>
HEBREW 1.	Introductory Hebrew	<u>Mr. Fishbane</u> <u>Mr. Segal</u>
HEBREW 2.	Intermediate Hebrew	<u>Mrs. Goldberg</u>
HEBREW 10.	Introduction to Post-Biblical Hebrew Literature	<u>Mr. Brandwein</u>
CJS 139b.	Major Trends in Modern Hebrew Literature	
See NEJS 139b.		<u>Mr. Brandwein</u>
CJS 146b.	Politics and Political Institutions in the Near East	
See NEJS 146b.		<u>Mr. Halpern</u>
CJS 163a.	The Sociology of the American Jew	
See NEJS 163a.		<u>Mr. Sklare</u>
CJS 163b.	Jewish Communal Structure and Organization	
See NEJS 163b.		<u>Mr. Sklare</u>
CJS 166a.	Modern Jewish Intellectual History to 1870	
See NEJS 166a.		<u>Mr. Halpern</u>
CJS 168a.	The Culture of East European Jewry	
See NEJS 168a.		<u>Mr. Goldsmith</u>
CJS 168b.	East European Jewish History: The Jews in the Soviet Union	
	Study of the history and the legal and political status of the Jews in the Soviet Union since 1917.	<u>Mr. Rothenberg</u>
CJS 171b.	Trends and Values in Yiddish Literature	
See NEJS 171b.		<u>Mr. Goldsmith</u>

(more)

- CJS 172b. Seminar in Yiddish Literature: The Works
of H. Leivick
See NEJS 172b. Mr. Goldsmith
- CJS 173a. Seminar in Yiddish Literature: American
Yiddish Poetry
See NEJS 173a. Mr. Goldsmith
- CJS 186a. East European Jewish Immigrant Backgrounds
and Twentieth Century American Writing
See English 186a. Mr. Hindus
- CJS 204a. Topics and Problems in Jewish Education Mr. Lukinsky
- CJS 204b. Conceptual Models for Jewish Education Mr. Lukinsky
- CJS 205a. Theory and Practice in Jewish Communal
Service: The Dynamics of Small Groups
Mr. Reisman
- CJS 205b. Theory and Practice in Jewish Communal Service:
The Dynamics of Leadership in Groups and Organizations
Mr. Reisman
- CJS 207b. Issues in Jewish Public Policy
See Social Welfare 217. Mr. Fein
- CJS 235. Readings in Jewish Education
A seminar, by arrangement. Mr. Lukinsky
- CJS 249a. Topics in the History of Palestine
and Contemporary Israel
See NEJS 249a. Mr. Halpern
- CJS 266b. Topics in Modern Jewish Intellectual
History Since 1870
See NEJS 266b. Mr. Halpern
- CJS 282a and b. Problems in the Sociology of the American Jew
See NEJS 282a and b. Mr. Sklare

ENGLISH AND AMERICAN LITERATURE

FACULTY

Professor Benjamin B. Hoover, Chairman

Professor J. V. Cunningham

Professor Edward Engelberg

Professor Victor Harris

Professor Milton Hindus

*Professor Robert O. Preyer

Professor Philip Rahv

Professor John H. Smith

Professor Aileen Ward

Associate Professor Allen R. Grossman

*Associate Professor Samuel J. Keyser

Associate Professor Alan L. Levitan

Associate Professor Peter Swiggart

Assistant Professor Charles R. Blyth

Assistant Professor Arlene L. Clift

Assistant Professor Arthur Edelstein

Assistant Professor James F. Goldberg

Assistant Professor Ray S. Jackendoff: Linguistics

***Assistant Professor Karen W. Klein

**Assistant Professor Alan Lelchuk

*Assistant Professor Richard J. Onorato

*Assistant Professor S. Susan Staves

Lecturer Harrison Hoblitzelle

Lecturer John Burt Wight: Victorian literature

* On Leave, 1971-72

** On Leave, Fall Term, 1971-72

*** On Leave, Spring Term, 1971-72

ENGLISH AND AMERICAN LITERATURE

Courses of Instruction

- ENGLISH 101a. Directed Writing: Fiction Mr. Edelstein
- ENGLISH 101b. Directed Writing: Fiction Messrs. Edelstein and Lelchuk
- ENGLISH 102b. The Short Poem in English and the Writing of Poetry
 The reading: Selected short poems from the fourteenth century to the present.
 The writing: Critical papers or original poems. Mr. Cunningham
- ENGLISH 123a. Chaucer Mrs. Klein
- ENGLISH 127b. Victorian Poetry
 A consideration of the more important poetry and poetic theories of the period 1830-1900 with some attention to the social background. Emphasis will be on Tennyson, Browning, Arnold, Swinburne, Hopkins, Hardy and the poetry of the 1890's. Mr. Wight
- ENGLISH 142b. Elizabethan and Jacobean Drama Mr. Levitan
- ENGLISH 145a. Religious Poetry of the Seventeenth Century Mr. Grossman
- ENGLISH 150a. The Classical Background of English Literature
 The strength and quality of the "classical impulse" in various periods of English literature will be explored through a consideration of a number of Greek and Roman literary and critical works which will be compared to related English works. Works of several genres will be read and discussed in detail. Mr. Smith
- ENGLISH 155b. Milton and Blake Mr. Harris
- ENGLISH 171a. Romantic Poetry Miss Ward
- ENGLISH 173b. Culture and Society: Literary-Social Criticism and Social Theory in the Nineteenth Century Mr. Goldberg
- ENGLISH 178b. Studies in the Literature of Nineteenth Century Social Criticism Mr. Hoblitzelle
- ENGLISH 179b. The South in Fiction
 Emphasis will be placed on twentieth century writers including Ellen Glasgow, Jean Toomer, Richard Wright, Robert Penn Warren, Eudora Welty, Flannery O'Connor, Katherine Anne Porter, Carson McCullers, William Faulkner, William Melvin Kelley. Initial attention will be given to selected nineteenth century southern writers. Miss Clift

(more)

ENGLISH 180a. Change and Continuity in Modern Literature

Readings in modern leading works drawn from representative European authors such as Camus, Thomas Mann, Dostoevsky, Kafka, Tolstoy, Beckett, and so on.

Mr. Rahv

ENGLISH 183b. Major Modern American Writers

A study of some of the durable work of the nineteenth and twentieth centuries by such writers as Emily Dickinson, Walt Whitman, Theodore Dreiser and Scott Fitzgerald.

Mr. Hindus

ENGLISH 184a. American Literature in the Twentieth Century

Readings in prose, poetry, and the drama.

Mr. Rahv

ENGLISH 186a. Immigrant Jewish Backgrounds and
Modern American Literature

An inquiry into the East European origins of the subject matter, style, and ethos of a dozen writers of different generations--from Abraham Cahan in the 1890's to Saul Bellow today.

Mr. Hindus

ENGLISH 188a. Literature and Linguistics

Principles of contemporary linguistics will be applied to the study of style and narration in a number of literary texts. Special attention will be paid to the work of Roman Jakobson and European Structuralists.

Mr. Swiggart

ENGLISH 191a. Introduction to Linguistics

This course focuses on the outstanding questions which an adequate theory of natural language must answer and considers in some detail current attempts to answer them. It will, in passing, touch upon the relevance of the emerging theory to questions of philosophical, psychological, biological and literary import.

Mr. Jackendoff

ENGLISH 192b. History of the English Language

An introductory course designed for students with no previous training in linguistics or knowledge of the earlier stages of the language.

Mr. Blyth

ENGLISH 196a. Semantics and Linguistics

This course will explore the semantic structure of language in terms of current linguistic theory.

Prerequisite: English 191a or 191b.

Mr. Jackendoff

ENGLISH 196b. Syntactic Investigations in an Unfamiliar Language

In this course the student will be confronted with a native speaker of an unfamiliar language (i.e., neither English nor Yiddish). The purpose of the course will be to figure out what it is that the speaker knows when he knows the language.

Mr. Jackendoff

(more)

ENGLISH 197b. Problems in Syntax

This course is designed to give students a working familiarity with syntactic rules and their manipulations in a theory of grammar.

Prerequisite: English 191a or 192b.

Mr. Jackendoff

ENGLISH 199a and b. Directed Research in Linguistics

Mr. Jackendoff

ENGLISH 200a. The English Seminar: Methods of Literary Study

A non-credit course required of all first-year graduate students.

Mr. Hoover

ENGLISH 201a. History and Theory of Criticism: From Plato to Dr. Johnson

Mr. Cunningham

ENGLISH 201b. History and Theory of Criticism: Late Neo-Classicism, Romanticism, Modernism

Mr. Engelberg

ENGLISH 215b. Shakespeare

Mr. Cunningham

ENGLISH 216b. Renaissance Poetry

Mr. Smith

ENGLISH 220a. Seventeenth Century Prose

Mr. Harris

ENGLISH 230a. Romantic Poetry

Miss Ward

ENGLISH 240b. Nineteenth Century American Literature

Mr. Swiggart

ENGLISH 245b. Henry James

Mr. Rahv

ENGLISH 246a. Joyce and Beckett

Mr. Blyth

ENGLISH 295b. Major Text

Required of all first-year graduate students.

Mr. Smith

ENGLISH 311. Seminar in Teaching

Mr. Levitan

ENGLISH 350-369a and b. Directed Research

Open to advanced graduate students with the consent of the instructor and the Director of Graduate Studies.

350. Mr. Grossman

360. Mr. Swiggart

351. Mr. Edelstein

361. Miss Ward

352. Mr. Cunningham

362. Mr. Levitan

353. Mr. Harris

363. Mr. Blyth

354. Mr. Hindus

364. Miss Staves

355. Mr. Hoover

365. Mr. Goldberg

356. Mr. Keyser

366. Miss Clift

357. Mr. Preyer

367. Mr. Jackendoff

358. Mr. Rahv

368. Mr. Lechuk

359. Mr. Smith

369. Mr. Engelberg

(more)

ENGLISH 400-411 a and b.

Dissertation Research

- 400. Mr. Cunningham
- 401. Mr. Grossman
- 402. Mr. Harris
- 403. Mr. Hindus
- 404. Mr. Hoover
- 405. Mr. Keyser

- 406. Mr. Preyer
- 407. Mr. Rahv
- 408. Mr. Smith
- 409. Mr. Swiggart
- 410. Miss Ward
- 411. Mr. Levitan

HISTORY OF AMERICAN CIVILIZATION

FACULTY

Executive Committee: Professor Marvin Meyers, Chairman; Professors David Hackett Fischer, Morton Keller, John P. Roche; *Associate Professor John Putnam Demos; Assistant Professors Jerold S. Auerbach, Gerald S. Bernstein.

STAFF

Professor David Hackett Fischer

Professor Morton Keller

Professor Marvin Meyers

Professor John P. Roche

*Associate Professor John P. Demos

Instructor James R. Green

* On Leave, 1971-72

HISTORY OF AMERICAN CIVILIZATION

Courses of Instruction

HISTORY 150b. American Colonial History

Readings and discussions concerning major historical interpretations of early American history. Mr. Fischer

HISTORY 152b. Problems of Democracy in Jacksonian America
(Pro-Seminar) Mr. Meyers

HISTORY 153b. American Civil War and Reconstruction

Readings and discussions about the cause and consequences of the Civil War. Mr. Fischer

HISTORY 155b. Civil Liberties in America

See Politics 116b. Mr. Roche and Staff

HISTORY 164a. The American Polity to 1860

An examination of nineteenth century political life in America--political parties and elections, government, courts and the law--and its interplay with the dominant social, economic and intellectual currents of the time.

Mr. KellerHISTORY 165a and b. The Social History of Modern America Mr. GreenHISTORY 169a. History of American Radicalism Mr. Green

HISTORY 169b. Working Class History in the United States
Mr. Green

HISTORY 200a. Introduction to the History of American Civilization
(Pro-Seminar) Staff

HISTORY 201-206. Research in American History

201a or b. <u>Mr. Bernstein</u>	204a or b. <u>Mr. Keller</u>
*202a or b. <u>Mr. Demos</u>	205a or b. <u>Mr. Meyers</u>
203a or b. <u>Mr. Fischer</u>	206a or b. <u>Mr. Roche</u>

HISTORY 301-308. Readings in the History of American Civilization

301a or b. <u>Mr. Bernstein</u>	305a or b. <u>Mr. Keller</u>
302a or b. <u>Mr. Black</u>	306a or b. <u>Mr. Green</u>
*303a or b. <u>Mr. Demos</u>	307a or b. <u>Mr. Meyers</u>
304a or b. <u>Mr. Fischer</u>	308a or b. <u>Mr. Roche</u>

(more)

HISTORY 401-407. Dissertation Research

- | | |
|---------------------------|------------------------|
| 401. <u>Mr. Bernstein</u> | 405. <u>Mr. Green</u> |
| 402. <u>Mr. Demos</u> | 406. <u>Mr. Meyers</u> |
| 403. <u>Mr. Fischer</u> | 407. <u>Mr. Roche</u> |
| 404. <u>Mr. Keller</u> | |

Faculty and courses available to History of American Civilization students in other historical fields, and in related disciplines of the social sciences and humanities, are listed by departments in the Graduate School and College Catalogs. Courses and directed reading in these areas may be taken by permission of the instructor and of the Executive Committee.

HISTORY OF IDEAS

FACULTY

Professor Alasdair MacIntyre, Chairman

Professor Henry David Aiken

Professor Peter Diamandopoulos

*Associate Professor Heinz M. Lubasz

Assistant Professor Gerald N. Izenberg

Mr. David E. Brighton

*On Leave, 1971-72.

HISTORY OF IDEAS

Courses of Instruction

- HISTORY OF IDEAS 200c. Introduction to the History of Ideas
Mr. Izenberg
- HISTORY OF IDEAS 104b. Sociology of Knowledge
See Sociology 110b. Mr. Wolff
- HISTORY OF IDEAS 106a and b. Sociology of Literature
See Sociology 106a and b. Mr. Stein
- HISTORY OF IDEAS 107b. Sociology of Science
See Sociology 154b. Mr. Fisher
- HISTORY OF IDEAS 108. Philosophy of History and the Social Sciences
A study of the distinctive character of the approaches to the understanding of human behavior made by historians and by social scientists and a comparison of each of these with the methods of the physical sciences. Both methodological and theoretical issues will be discussed.
Mr. MacIntyre
- HISTORY OF IDEAS 109b. Philosophy of Science
See Philosophy 140b. Mr. Burian
- HISTORY OF IDEAS 140a. Intellectual History of Modern Europe
1789-1890 Mr. Izenberg
- HISTORY OF IDEAS 143aR. The French Enlightenment
See French 127aR.
Prerequisite: Ability to read and to understand spoken French.
Mr. Gendzier
- HISTORY OF IDEAS 144a. Cross-currents in French and English Fiction
of the Eighteenth Century
See Comparative Literature 135a. Mr. Gendzier
- HISTORY OF IDEAS 148a. Modern Jewish Intellectual History
to 1870
See N.E.J.S. 166a. Mr. Halpern
- HISTORY OF IDEAS 150b. Intellectual History of Contemporary
Europe, 1930-1960 Mr. Izenberg
- HISTORY OF IDEAS 161a. Plato
See Greek 118a. Mr. Wiesen
- HISTORY OF IDEAS 161b. Lucretius
See Latin 118b. Mr. Stewart

(more)

- HISTORY OF IDEAS 162b. Aristotle
See Philosophy 105b. Mr. Diamandopoulos
- HISTORY OF IDEAS 163a. Philosophy after Aristotle
See Philosophy 106a and Classics 151a. Mr. Stewart
- HISTORY OF IDEAS 164a. The Categories of the Spiritual Life
in Jewish Neoplatonism
See N.E.J.S. 135a. Mr. Altmann
- HISTORY OF IDEAS 165b. British Empiricism
See Philosophy 143b. Mr. Aiken
- HISTORY OF IDEAS 166a. Spinoza's ETHICS
See N.E.J.S. 136a. Mr. Altmann
- HISTORY OF IDEAS 167a. Kant
See Philosophy 167a. Mr. Greenberg
- HISTORY OF IDEAS 169bR. Contemporary Analytic Philosophy
See Philosophy 133bR. Mr. Weitz
- HISTORY OF IDEAS 170a. Wittgenstein
See Philosophy 150a. Mr. Burian
- HISTORY OF IDEAS 172a. The History of Scientific Thought, 1543-1727
An introductory survey of the dominant thinkers and doctrines in the history of science from the publication of Copernicus' De Revolutionibus to the death of Newton. Emphasis will be placed on those intellectual and social influences which contributed most to conceptual change during this period. Mr. Brighton
- HISTORY OF IDEAS 173a. The Uses of Scientific Argument:
Four Case Histories
A comparative study of four examples of scientific debate: The Leibnitz-Clark correspondence, Newton and Huygens on the nature of light, Vulcanism vs. Neptunism in early geology, and the Mach-Planck exchange. Each case history will be examined in terms of its methodological and/or metaphysical origins, and its impact on the development of scientific thought will be ascertained. Mr. Brighton
- HISTORY OF IDEAS 174b. The History of Scientific Thought, 1727-1800
A survey of the significant trends in the history of science after the death of Newton. Among the topics to be considered are the development of rational mechanics, Newtonian science and the French Enlightenment, the biological sciences in the eighteenth century, and the origins of modern chemistry. Mr. Brighton
- HISTORY OF IDEAS 175b. Newtonian Criticism in the Nineteenth Century
An historical and philosophical analysis of the Newtonian ideal and its critics during the nineteenth century with special emphasis on the development of field theory, the origins of energeticism, and the decline of rational mechanics.
An elementary knowledge of physics and calculus is necessary. Mr. Brighton

(more)

Proseminar: The Origins and Development of Freudian Theory

Mr. Izenberg

Political Thought from Plato to Machiavelli

Mr. Kelly

Political Thought from Machiavelli to Rousseau

Mr. Hulliung

Moral Theory and Moral Change

Mr. MacIntyre

(more)

Ideology and the Explanation of Belief

Mr. MacIntyre

Mr. Kelly

Mr. Hoblitzelle

Mr. Goldberg

Mr. Hulliung

Mr. Black and Staff

To be announced

Mr. Soliday

Mr. Halpern

Messrs. Black and Fisher

Messrs. Black and Schrecker

Mr. Hulliung

(more)

See Comparative History 260b. Mr. Black

See Comparative History 279b. Mr. Binion

See Comparative History 281b. Mr. Binion

See Comparative History 285a. Mr. Barraclough

See Comparative History 285b. Mr. Barraclough

See Politics 255b. Mr. Kelly

Staff

400. <u>Mr. Aiken</u>	405. <u>Mr. Diamandopoulos</u>
401. <u>Mr. Altmann</u>	406. <u>Mr. Halpern</u>
402. <u>Mr. Berkowitz</u>	407. <u>Mr. Izenberg</u>
403. <u>Mr. Binion</u>	408. <u>Mr. MacIntyre</u>
404. <u>Mr. Black</u>	409. <u>Mr. Lubasz</u>

LITERARY STUDIES:

Classics, Comparative Literature, French, German, Russian and Spanish

OBJECTIVES

The joint program of literary studies will accept students who declare themselves for the Ph.D. degree in the areas listed below. Interdisciplinary in design, the program aims to train literary scholars and teachers whose professional capabilities will be broader than their individual specialities. Students will have the opportunity to study aesthetic theory, methodology, literature, and the sister arts. A small and carefully selected student body will work closely with the faculty of the program and with one another in a core curriculum before specializing. Each student is encouraged to plan an individual program of studies within his interests. The program offers a variety of means for students to augment their specialities by study in related areas.

ADMISSION

The general requirements for admission to the Graduate School, given in an earlier section of this catalog, apply to candidates for admission to this program. With his application, each applicant should submit at least one college-level essay on a literary subject (which may be written in English) as a sample of his work.

FACULTY

Committee:

Professor Edward Engelberg, Chairman (Comparative Literature)
Professor James E. Duffy (Spanish)
Professor Murray Sachs (French)
Professor Harry Zohn (German)
Associate Professor David Wiesen (Classics)
Assistant Professor Robert Szulkin (Russian)

In addition, faculty members of the Departments of Romance Languages and Comparative Literature, Germanic and Slavic Languages, Classics, and English and American Literature are associated with this program.

DEGREE REQUIREMENTSDoctor of Philosophy

Program of Study. Individual programs of study will be arranged between the student and his advisor. However, all students will be required to take a one year seminar in History and Theory of Literary Criticism, as well as a minimum of three half-courses in the "100" range.

Residence Requirement. The minimum residence requirement is two years of full-time study beyond the bachelor's degree.

(more)

MATHEMATICS

FACULTY

Professor Robert T. Seeley, Chairman

Professor Maurice Auslander

Professor Edgar H. Brown, Jr.

Professor David A. Buchsbaum

Professor Harold Levine

Professor Jerome Levine

Professor Teruhisa Matsusaka

Professor Richard S. Palais

**Professor Hugo Rossi

Associate Professor Alan Mayer

Associate Professor Paul Monsky

Assistant Professor Aldridge Bousfield

Assistant Professor David Lieberman

Assistant Professor Michael Shub

Lecturer and Research Associate David Eisenbud

*** On Leave, Spring Term, 1971-72

MATHEMATICS

Courses of Instruction

MATHEMATICS 101a and b.	Algebra I	<u>Mr. Buchsbaum</u>
MATHEMATICS 111a and b.	Analysis I	<u>Mr. Rossi, 1st term</u> <u>Mr. Lieberman, 2nd term</u>
MATHEMATICS 121a and b.	Topology I	
Simplicial singular (and Čech) homology and cohomology theory, fundamental group, covering spaces and elementary topology.		<u>Mr. J. Levine, 1st term</u> <u>Mr. Brown, 2nd term</u>
MATHEMATICS 141a.	Fourier Analysis	
Fourier series, Dirichlet problem, Weierstrass approximation theorems, Riesz-Fischer theorems, Lebesgue integral in \mathbb{R}^n , elementary Hilbert space, isoperimetric problems, wave motion.		<u>Mr. Seeley</u>
MATHEMATICS 141b.	Fourier Analysis	
Poisson summation, Jacobi's identity, circuits and filters, information theory, central limit theorems, Heisenberg's inequality, distribution of primes, quadratic reciprocity, Zeeman effect, representations of $S_0(3)$.		<u>Mr. Seeley</u>
MATHEMATICS 199.	Readings in Mathematics	<u>Staff</u>
MATHEMATICS 202a.	Algebraic Geometry	<u>Mr. Lieberman</u>
MATHEMATICS 204a.	Homological Algebra I	
An introductory course with an emphasis on algebraic application.		<u>Mr. Eisenbud</u>
MATHEMATICS 207.	Homological Methods in Commutative Ring Theory	
A study of ideals and modules of finite homological dimension through properties of their resolutions. The course will begin with the required commutative ring theory.		<u>Messrs. Buchsbaum and Eisenbud</u>
MATHEMATICS 221a and b.	Algebraic Topology I	<u>Mr. Brown</u>
MATHEMATICS 225a and b.	Automorphic Functions	
A selection of various classical topics in the theory of automorphic functions: e.g., classical modular functions, fuchsian and kleinian functions, Seigel's modular functions of one variable. No specific background beyond elementary analysis.		<u>Messrs. Mayer and Shub</u>
MATHEMATICS 291.	Algebra Seminar	<u>Staff</u>
MATHEMATICS 292.	Analysis Seminar	<u>Staff</u>

(more)

MATHEMATICS 293.	Topology Seminar	<u>Staff</u>
MATHEMATICS 299.	Readings in Mathematics	<u>Staff</u>
MATHEMATICS 303a and b.	Algebraic Number Theory II	<u>Mr. Monsky</u>
MATHEMATICS 321a and b.	Algebraic Topology II	

The Steenrod algebra and its applications, generalized (co-) homology theories, stable homotopy, characteristic classes, cobordism. Mr. Bousfield

MATHEMATICS 322b.	Differential Topology	
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Singularities of differential maps. Recent work of Mather, Malgrange, Whitney. Mr. H. Levine

MATHEMATICS 324.	Lie Groups	
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Basic theory of Lie groups and Lie algebras, including the subgroup - subalgebra relationship, the adjoint representation and the structure of complex semisimple Lie algebras.

Prerequisite: Linear algebra, elementary knowledge of differentiable manifolds. Mr. Lepowsky

MATHEMATICS 334.	Differential Geometry and Infinite Dimensional Manifolds	
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This course is intended as a general introduction to the concepts, techniques, and theorems of linear and non-linear global differential analysis. Topics to be covered include: real and complex differentiable manifolds and fiber bundles, Riemannian geometry, Morse theory, Gromov theory, global theory of differential operators, introduction to differentiable dynamical systems, applications to mathematical physics. Mr. Palais

MATHEMATICS 335.	Non-commutative Algebra	<u>Mr. Auslander</u>
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MATHEMATICS 401-413.

401. Mr. Auslander	408. Mr. Palais
402. Mr. Brown	409. Mr. Rossi
403. Mr. Buchsbaum	410. Mr. Seeley
404. Mr. H. Levine	411. Mr. Mayer
405. Mr. J. Levine	412. Mr. Lieberman
406. Mr. Matsusaka	413. Mr. Bousfield
407. Mr. Monsky	

MEDITERRANEAN STUDIES

FACULTY

Professor Cyrus H. Gordon, Chairman

Professor Ernest R. Lacheman

Associate Professor Louis V. Zabkar

Assistant Professor Gordon D. Newby

Assistant Professor Ian A. Todd

MEDITERRANEAN STUDIES

Courses of Instruction

MEDITERRANEAN STUDIES 100b. Introduction to the Islamic Mediterranean
Mr. Newby

MEDITERRANEAN STUDIES 101a. Mediterranean Civilization and Its Influence
on the Outside World

Lectures and discussions on the ancient Mediterranean as a creative cultural center with a virtually world-wide communications capability. The results of marine archaeology, outside influences on the Mediterranean and the emerging pattern of cultural diffusion that stimulated all high civilizations, are among the themes of the course.

In 1971-72 the First Millennium B.C. will be covered. Students may repeat Mediterranean Studies 101 for credit since the subject matter will change completely from year to year in a four year cycle.

Mr. Gordon

MEDITERRANEAN STUDIES 112. The Archaeology of the East Mediterranean
Mr. Todd

MEDITERRANEAN STUDIES 117. Archaeology of Mesopotamia and Iran
The Neolithic and Bronze Ages. Mr. Todd

MEDITERRANEAN STUDIES 123. Biblical Texts Pertaining to the Monarchy

The first semester will be an intensive linguistic analysis of selected texts. The second semester will stress the historic investigation of texts dealing with problems on which there is new extrabiblical evidence. Either semester may be taken for credit.

Prerequisite: Permission of the instructor.

Mr. Newby, 1st Semester
Mr. Gordon, 2nd Semester

MEDITERRANEAN STUDIES 125. Classical Arabic Texts

This course is designed to induct the student into the use of Classical Arabic texts for historical studies.

Open to students beginning Arabic but also recommended for those with some previous knowledge of the language who need a methodical review. The readings will vary from year to year so that the course may be taken twice for credit.

Mr. Newby

MEDITERRANEAN STUDIES 130. Elementary Akkadian Mr. Lacheman

MEDITERRANEAN STUDIES 136. Hittite

Grammar and interpretations of ritual texts.

Prerequisite: The student must have taken or take concurrently Mediterranean Studies 130.

Mr. Lacheman

(more)

MEDITERRANEAN STUDIES 140.	Elementary Egyptian	<u>Mr. Zabkar</u>
MEDITERRANEAN STUDIES 153.	The Minoans and Mycenaeans	<u>Mr. Gordon</u>
MEDITERRANEAN STUDIES 217.	Archaeological Seminar	<u>Mr. Todd</u>
MEDITERRANEAN STUDIES 226.	Advanced Arabic	

Selected readings from The Arabian Nights with special reference to literary, philological and geographical content.

Open to students with a reading knowledge of Classical Arabic or by permission of the instructor.

Mr. Newby

MEDITERRANEAN STUDIES 234.	Advanced Akkadian
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In 1971-72, codes and contracts will be read.

Prerequisite: Mediterranean Studies 130.

Mr. Lacheman

MEDITERRANEAN STUDIES 242.	Advanced Late Egyptian
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Texts of the Ramesside Period will be analyzed in historical and archaeological context.

Prerequisite: Mediterranean Studies 140.

Mr. Zabkar

MEDITERRANEAN STUDIES 244.	Coptic
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Coptic texts in various dialects will be read. During the first semester Saidic documents will be studied; in the second semester texts in other dialects will be read.

Mr. Zabkar

MEDITERRANEAN STUDIES 400-405.	Dissertation Research
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Independent research for the Ph. D. degree.

400. Mr. Gordon

403. Mr. Newby

401. Mr. Zabkar

404. Mr. Todd

402. Mr. Lacheman

MUSIC

FACULTY

Associate Professor Paul H. Brainard, Chairman
Professor Arthur Berger
Professor Robert L. Koff
Professor Harold Shapero
*Professor Seymour Shifrin
Associate Professor Martin Boykan
*Associate Professor Caldwell Titcomb
*Associate Professor Leo Treitler
Assistant Professor Louis S. Bagger
Assistant Professor Edward Cohen, Student Adviser
Assistant Professor Joshua Rifkin
Lecturer Joel Cohen
Consultant Maynard Goldman

* On Leave, 1971-72

*** On Leave, Spring Term, 1971-72

MUSIC

Courses of Instruction

MUSIC 168a. Renaissance and Baroque Keyboard Music
 Studies in the early literature for harpsichord, clavichord, and organ.
Prerequisite: Music 162 or its equivalent, or permission of the instructor.
Mr. Bagger

MUSIC 175b. Musical Acoustics
 An historical survey of theories on the acoustical foundations of music. Special topics may include problems in the history of tuning and temperament, the relevance of acoustics to music theory, and non-traditional means of generating musical sounds.

Prerequisite: No specialized mathematical background will be assumed, but students are expected to have some familiarity with music theory and history, at least on the level of Music 61 and Music 101. Mr. Silbiger

MUSIC 197b. Tutorial in Musical Analysis Mr. E. Cohen

MUSIC COLLOQUIUM Staff and Visiting Lecturers

MUSIC 222. Seminar in the Music of the Renaissance
Mr. Rifkin

MUSIC 224. Seminar in Pre-Classical and Classical Music

Study of historical problems in the music of the middle and late eighteenth century.
Mr. Bagger

MUSIC 227. Proseminar in Theory and Composition Mr. Shapero

MUSIC 228a. Seminar in Twentieth Century Techniques Mr. Berger

MUSIC 233a. Topics in Analysis Mr. Shifrin

MUSIC 292. Seminar in Composition Messrs. Berger and Boykan

MUSIC 299a and b. Individual Research and Advanced Work Staff

MUSIC 400-409. Dissertation Research

Required of all doctoral candidates.

400. Mr. Berger	405. Mr. Titcomb
401. Mr. Boykan	406. Mr. Treitler
402. Mr. Brainard	407. Mr. Bagger
403. Mr. Shapero	408. Mr. E. Cohen
404. Mr. Shifrin	409. Mr. Rifkin

NEAR EASTERN AND JUDAIC STUDIES

FACULTY

Associate Professor Dwight W. Young, Acting Chairman

Professor Alexander Altmann

Professor Naftali C. Brandwein

Professor Nahum Norbert Glatzer

Professor Benjamin Halpern

*Professor Nahum M. Sarna

Professor Marshall Sklare

*Associate Professor Leon A. Jick

* On Leave, 1971-72

NEAR EASTERN AND JUDAIC STUDIES

Courses of Instruction

- NEJS 101. Basic Arabic Mr. Dankoff
- NEJS 102. Intermediate Arabic Mr. Dankoff
- NEJS 104b. Aramaic Dialectology: Biblical Aramaic
Mr. Young
- NEJS 107. Elementary Akkadian
See Mediterranean Studies 130. Mr. Lacheman
- NEJS 109a. The Patriarchal Period in the Light of Near Eastern Documents
An intensive study of the Hebrew Text of Genesis 11-50 with parallel readings in related extra-biblical materials. Mr. Young
- NEJS 115a. Biblical Literature of the Early post-Exilic Period
Readings: Selections of prophetic literature (Isaiah 40-66; Haggai, Zachariah), historiography (Ezra - Nehemiah), narrative (Esther), psalmodic literature (Psalms 120-134, Lamentations). Analysis of formative trends in the development of Judaism. Mr. Talmon
- NEJS 116. Biblical Prophecy: The Book of Jeremiah
An intensive study of the textual and exegetical issues; the historical background in the light of archaeological finds; imagery and ideas. Mr. Fishbane
- NEJS 118. Qumran and the Bible
Selected readings in the writings from the Judean Desert (The Zadokite Documents; Serekh Hayahad; The Psalms Scroll). The impact of biblical literature on the Covenanters' literature: religious ideas and historical concepts; literary types and motifs; exegesis and halakhic interpretations; the transmission of the Bible text at Qumran. Mr. Talmon
- NEJS 128b. The Second Jewish Commonwealth
Source studies in the history and culture of Palestine, from 538 B.C. to 70 A.D. Mr. Glatzer
- NEJS 135a. The Categories of the Spiritual Life in Jewish Neoplatonism
Mr. Altmann
- NEJS 136a. Spinoza's ETHICS Mr. Altmann
- NEJS 137a. Hebrew Literature: Introduction to Medieval Hebrew Poetry
The Hebrew Golden Age of Spain from its inception through Shlomo ibn Gabirol; his work and that of Shmuel Hanagid will be stressed.
Prerequisite: Permission of the instructor. Mr. Segal

(more)

- NEJS 137b. Hebrew Literature: Introduction to Medieval Hebrew Prose
Selected texts from magamot, ethical wills, correspondence, historical and other writings.
Prerequisite: The ability to read Biblical narrative. Mr. Segal
- NEJS 139b. Major Trends in Modern Hebrew Literature
Mr. Brandwein
- NEJS 140a. History of the Jews in Antiquity and the Middle Ages
The organization and function of the Jewish community; intellectual development and changes in religious doctrine; Messianic movements; social ethics.
Mr. Glatzer
- NEJS 146b. Politics and Political Institutions in the Near East
Mr. Halpern
- NEJS 163a. The Sociology of the American Jew Mr. Sklare
- NEJS 163b. Jewish Communal Structure and Organization Mr. Sklare
- NEJS 166a. Modern Jewish Intellectual History to 1870 Mr. Halpern
- NEJS 168a. The Culture of East European Jewry Mr. Goldsmith
- NEJS 171b. Trends and Values in Yiddish Literature Mr. Goldsmith
- NEJS 172b. Seminar in Yiddish Literature: The Works of H. Leivick
Mr. Goldsmith
- NEJS 173a. Seminar in Yiddish Literature: American Yiddish Poetry
Mr. Goldsmith
- NEJS 204a. Topics and Problems in Jewish Education
See CJS 204a for description. Mr. Lukinsky
- NEJS 204b. Conceptual Models for Jewish Education
See CJS 204b for description. Mr. Lukinsky
- Both NEJS 204a and 204b will be supplemented by practicum workshops, required for CJS students, optional for others.
- NEJS 224. Biblical Literature in the Making
Literary techniques of biblical authors; the structure of biblical books; editorial techniques; the growth of the biblical canon; the history of the Bible text and Versions. Discussion of students' papers. A seminar.
Prerequisite: A working knowledge of Hebrew and Aramaic.
Mr. Talmon
- NEJS 226. Biblical Texts in the Light of Ancient Near Eastern Civilization
Mr. Young
- NEJS 235. Readings in Jewish Education
See CJS 235 for description. Mr. Lukinsky

(more)

NEJS 238a.

Modern Hebrew Literature

A seminar covering an analytical study of the development of ideas, motifs, and structure of modern Hebrew prose and poetry, including a study of Biblical images in modern Hebrew literature. The course will be based on the works of I.D. Berkovitz, Y.S. Brenner, S.Y. Agnon and H. Hazaz in prose, and N. Alterman and L. Goldberg in poetry.

Prerequisite: Permission of the instructor.

A year course to be given in fall term. 6 credits.

Mr. Brandwein

NEJS 249a.

Topics in the History of Palestine and
Contemporary Israel

An examination of the interrelationships between social and political institutions in modern Israel. Change and development in ideological and institutional patterns.

Mr. Halpern

NEJS 258b.

Studies in Eschatological Theories

Messianic and Apocalyptic concepts in the Old Testament prophets. Apocrypha and the Dead Sea writings in post-Biblical Judaism and early Christianity; Messianic movements in the Middle Ages.

Mr. Glatzer

NEJS 266b.

Topics in Modern Jewish Intellectual History
Since 1870

Jewish ideologies and movements from the rise of political anti-Semitism to the present.

Mr. Halpern

NEJS 282a and b.

Problems in the Sociology of the American Jew

Mr. Sklare

NEJS 320-329.

Special tutorials for advanced graduate students.

320. Readings in Jewish History

Mr. Glatzer

322. Readings in Medieval Jewish Philosophy

Mr. Altmann

324. Readings in Modern Hebrew Literature

Mr. Brandwein

327a. Readings in Syriac Literature

Mr. Young

328. Readings in Sociology of the Jewish People

Mr. Sklare

329. Readings in Modern Near East and Modern Jewish History

Mr. Halpern

NEJS 400-406.

Dissertation Colloquium

400. Mr. Altmann

403. Mr. Young

401. Mr. Glatzer

404. Mr. Brandwein

402. Mr. Halpern

406. Mr. Sklare

PHILOSOPHY

FACULTY

Professor Morris Weitz, Chairman

Professor Henry D. Aiken

Professor Peter Diamandopoulos

Professor John Van Heijenoort

Professor Alasdair MacIntyre

Professor Frederic T. Sommers

Assistant Professor Richard M. Burian

Assistant Professor Robert S. Greenberg, Student Adviser

PHILOSOPHY

Courses of Instruction

PHILOSOPHY 105b.	Aristotle	<u>Mr. Diamandopoulos</u>
PHILOSOPHY 106a.	After Aristotle	
The Epicurean, Stoic and Cynic.		<u>Mr. Stewart</u>
PHILOSOPHY 109a.	Spinoza's Ethics	
See N.E.J.S. 136a.		<u>Mr. Altmann</u>
PHILOSOPHY 113b.	Aesthetics	
Intensive study of some major concepts and issues in the criticism and history of the various arts: expression, genre, style, meaning, symbolism, interpretation, evaluation.		
		<u>Mr. Weitz</u>
PHILOSOPHY 115a.	Intermediate Logic	
Propositional calculus. Quantification theory. Satisfiability and validity. Completeness. Loewhéim-Skolem theorem. Many-sorted logic. Theory of types.		
		<u>Mr. van Heijenoort</u>
PHILOSOPHY 117bR.	Ethical Theory in the Twentieth Century	
		<u>Mr. Aiken</u>
PHILOSOPHY 121b.	Foundation of Mathematics	<u>Mr. van Heijenoort</u>
PHILOSOPHY 124b.	Concepts: Their History and Variety	<u>Mr. Weitz</u>
PHILOSOPHY 130a.	Philosophy of Logic	<u>Mr. van Heijenoort</u>
PHILOSOPHY 133bR.	Contemporary Analytic Philosophy	<u>Mr. Weitz</u>
PHILOSOPHY 134aR.	The Continental Existentialists and Their American Counterparts	<u>Mr. Aiken</u>
PHILOSOPHY 137aR.	Moral Theory and Moral Change	<u>Mr. MacIntyre</u>
PHILOSOPHY 138bR.	Ideology and the Explanation of Belief	<u>Mr. MacIntyre</u>
PHILOSOPHY 140b.	Philosophy of Science	<u>Mr. Burian</u>
PHILOSOPHY 143aR.	Continental Rationalism	<u>Mr. Sommers</u>
PHILOSOPHY 143b.	British Empiricism	<u>Mr. Aiken</u>
PHILOSOPHY 148.	Philosophy of History and the Social Sciences	
An examination of the concepts, principles and structures of argument of history and the social sciences with a view to understanding their relationship.		
		<u>Mr. MacIntyre</u>
PHILOSOPHY 150a.	Wittgenstein	
With special emphasis on the <u>Tractatus</u> .		<u>Mr. Burian</u>

(more)

PHILOSOPHY 157aR. Philosophy of Language

An examination of the topics of reference and predication, and theories of meaning. Contemporary techniques of analysis will prevail.

Mr. Greenberg

PHILOSOPHY 158a. Experience, Substance, and Identity

An analytical investigation of certain problems in the area of metaphysics. Reference will be made to traditional as well as contemporary philosophers.

Mr. Sommers

PHILOSOPHY 160b. Linguistic Philosophy

Mr. Sommers

PHILOSOPHY 167a. Kant

Mr. Greenberg

PHILOSOPHY 196a. Semantics and Linguistics

See English 196a.

Mr. Jackendoff

PHILOSOPHY 200. Proseminar

Required of all first year students.

Staff

PHILOSOPHY 203b. Seminar in Rationalism

An intensive reading of Descarte's rules for the direction of the mind.

Mr. Diamandopoulos

PHILOSOPHY 215b. Advanced Topics in Logic

Introduction and Modal Logics.

Mr. van Heijenoort

PHILOSOPHY 235a. Seminar in Truth

Mr. Sommers

PHILOSOPHY 300-307. Readings in Philosophy

300a and b. Mr. Aiken

304a and b. Mr. MacIntyre

301a and b. Mr. Burian

305a and b. Mr. Sommers

302a and b. Mr. Diamandopoulos

306a and b. Mr. van Heijenoort

303a and b. Mr. Greenberg

307a and b. Mr. Weitz

PHILOSOPHY 400-407. Dissertation Research

400. Mr. Aiken

404. Mr. MacIntyre

401. Mr. Burian

405. Mr. Sommers

402. Mr. Diamandopoulos

406. Mr. van Heijenoort

403. Mr. Greenberg

407. Mr. Weitz

PHYSICS

FACULTY

Professor Stephan Berko, Chairman

*Professor Stanley Deser

Professor Jack Goldstein

Professor Eugene P. Gross

Parofessor Edgar Lipworth

Professor Howard J. Schnitzer

*Professor Silvan S. Schweber

Associate Professor Max Cretien

Visiting Associate Professor Ryszard Gajewski: Plasma physics.

Associate Professor Marcus T. Grisaru

Associate Professor Peter Heller

Associate Professor Hugh N. Pendleton

Assistant Professor H. Daniel Cohen

Assistant Professor Jacques Cohen

Assistnat Professor William S. Gornall: Solid state and molecular physics.

Assistant Professor Lawrence Kirsch

Assistant PProfessor Allen P. Mills

Assistant Professor Alan T. Ramsey

Assistant Professor Peter Schmidt

Assistant Professor Lawrence Schwartz: Theoretical solid state physics. Electronic structure of disordered systems.

Assistant Professor Robert Stein

Assistant Professor John P. Walter: Theoretical solid state physics.

* On Leave, 1971-72

PHYSICS

Courses of Instruction

PHYSICS 100a.	Theoretical Mechanics	<u>To be announced</u>
PHYSICS 101a and b.	Electromagnetic Theory	<u>Mr. Gajewski</u>
PHYSICS 102a and b.	Quantum Mechanics	<u>Mr. Grisaru</u>
PHYSICS 103a.	Statistical Physics	<u>Mr. Heller</u>
PHYSICS 103b.	Atomic and Nuclear Structure	<u>Mr. Ramsey</u>
PHYSICS 109a and b.	Advanced Laboratory	<u>Mr. Berko</u>
PHYSICS 110a.	Mathematical Physics	<u>Mr. Walter</u>
PHYSICS 128a.		

This one semester course is intended to furnish a background in basic electronics to those students, both on the graduate and undergraduate level, whose work involves the use of the increasingly wide array of electronic instrumentation.

Prerequisite: Physics 10 or 11, or the equivalent.

Six laboratory hours per week.

Messrs. Ramsey and Berko

PHYSICS 201a and b.	Advanced Many Body Problem	
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Non-relativistic field theory applied to solids and other many body systems. Applications to transport phenomena and phase transitions. Phenomenological models and their relationship to microscopic theory.

Messrs. Walter and Schwartz

PHYSICS 202a and b.	Advanced Quantum Mechanics	<u>Mr. Schnitzer</u>
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PHYSICS 207a and b.	Plasma Physics	
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Electrodynamics and statistical mechanics of classical plasmas: the dielectric tensor, dispersion relations, fluctuation-dissipation theorem, dynamics of a test particle in a plasma, and plasma kinetic equations.

Mr. Gross

PHYSICS 209a and b.	Experimental Seminar	<u>Staff</u>
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PHYSICS 211a.	High Energy Physics	
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Introduction to the properties of elementary particles. Relativistic kinematics. Experimental determination of the quantum numbers of particles. Interactions, symmetries and conservation laws. Weak interactions, selection rules.

Mr. Kirsch

(more)

PHYSICS 213a.	Tutorial in Physics	<u>Mr. Mills</u>
PHYSICS 214a.	Stellar Structure and Evolution	<u>Mr. Goldstein</u>
PHYSICS 216b.	Stellar Atmospheres	

Radiative transfer in stellar atmospheres. Rates of radiative and collisional processes determining atomic states. Theory of line formation. Applications to analysis of stellar spectra. To be announced

Research Courses

PHYSICS 401.	Experimental Atomic and Molecular Physics	<u>Mr. Lipworth</u>
PHYSICS 402.	Theoretical Atomic and Molecular Physics	<u>Mr. Pendleton</u>
PHYSICS 403.	Experimental Nuclear Physics	<u>Mr. Berko</u>
PHYSICS 404.	Theoretical Nuclear Physics	<u>Mr. Schnitzer</u>
PHYSICS 405.	Experimental Elementary Particle Physics	<u>Messrs. Chretien,</u> <u>Kirsch and Schmidt</u>
PHYSICS 406.	Theoretical Elementary Particle Physics	<u>Messrs. Deser, Grisaru,</u> <u>Pendleton, Schnitzer</u> <u>and Schweber</u>
PHYSICS 407.	Experimental Solid State Physics	<u>Messrs. Berko and Heller</u>
PHYSICS 408.	Theoretical Solid State Physics	<u>Messrs. Gross and Lange</u>
PHYSICS 409.	Relativity	<u>Mr. Deser</u>
PHYSICS 410.	Mathematical Physics	<u>Messrs. Grisaru and</u> <u>Schweber</u>
PHYSICS 411.	Statistical Physics	<u>Messrs. Gross and</u> <u>Pendleton</u>
PHYSICS 412.	Astrophysics	<u>Messrs. Goldstein and Stein</u>
PHYSICS 413.	Experimental Low Temperature Physics	<u>Mr. H.D. Cohen</u>

POLITICS

FACULTY

***Professor Roy C. Macridis, Chairman

*Professor Max Lerner

Professor Ruth Schachter Morgenthau

Professor John P. Roche

Professor I. Milton Sachs

*Associate Professor Donald Hindley

Associate Professor George A. Kelly, Student Adviser

*Associate Professor Peter Woll

*Assistant Professor Robert J. Art

Assistant Professor John T. Elliff

Assistant Professor Roy F. Grow

Assistant Professor Mark L. Hulliung

Assistant Professor Martin A. Levin

Assistant Professor Peter Natchez

Assistant Professor Bruce I. Oppenheimer

Assistant Professor Steven J. Rosen

Assistant Professor Lois Wasserspring

* On Leave, 1971-72

*** On Leave, Spring Term, 1971-72

POLITICS

Courses of Instruction

AMERICAN GOVERNMENT

POLITICS 101a. Parties, Pressure Groups, and Public Opinion

This course will examine the means by which mass publics get involved in politics. Some of the topics covered are: nominating politics, the psychology of participation, and lobbies. Considerable attention will be given to working class politics. Mr. Natchez

POLITICS 104a. The American Voter Mr. Natchez

POLITICS 107b. The Politics of Public Policy

This course will examine the nature of public policy outputs of political subsystems in American government. Particular attention will be paid to education, welfare, medical care and tax reforms. Mr. Oppenheimer

POLITICS 111a. The American Congress

This course will discuss the structure and behavior of the Congress. It will include a discussion of the origins and consequences of the committee system and the rules governing each House of Congress, particularly those relating to the Seniority System. Additionally, this course will consider the relationship between the Congress and the Executive Branch. Mr. Oppenheimer

POLITICS 113b. The American Presidency Mr. Oppenheimer

POLITICS 115a. History of American Constitutional Law and Theory

See History 166a. Mr. Elliff

POLITICS 115b. History of American Constitutional Law and Theory

See History 166b. Mr. Elliff

POLITICS 166b. Civil Liberties in America

Examination of the historical development of individual liberties with emphasis on the role of government and the relationship between civil liberties and political and social movements. Mr. Roche and Staff

POLITICS 121a. The Politics of Poverty, Class, and Race in Urban Areas
Mr. Levin

POLITICS 123b. The Politics of Urban Criminal Justice Mr. Levin

(See also Politics 168a and b, American Foreign Policy)

POLITICS 213b. Policy Formation Staff

POLITICS 219a. Policy-Making in Urban Areas Mr. Levin

POLITICS 220b. American Political Process Mr. Natchez

(more)

POLITICS 221b.	Selected Topics in American Politics	<u>Staff</u>
POLITICS 297a.	The Politics of Public Interests	
Section I.	Offered in conjunction with Politics 97a.	<u>Mr. Oppenheimer</u>
POLITICS 297a.	Patterns of Sino-Soviet Interaction	
Section II.	Offered in conjunction with Politics 97a.	<u>Mr. Grow</u>
COMPARATIVE POLITICS		
POLITICS 130a.	The Political and Social Institutions of the Soviet Union	<u>Mr. Raymond</u>
POLITICS 140a.	The Politics of Africa	<u>Mrs. Morgenthau</u>
POLITICS 140b.	Seminar in Contemporary African Politics	
Seminar in the politics of Africa. Open with the consent of the instructor. Emphasis is on selected topics for research and on the use of primary material where possible.		
		<u>Mrs. Morgenthau</u>
POLITICS 144a.	The Politics of Latin America: I	
This course focuses on revolutionary politics in Latin America, specifically the cases of Mexico, Cuba and Chile. An emphasis is placed on contrasting revolutionary experiences in these countries as well as on some general patterns and problems of politics in Latin America as a whole.		
		<u>Miss Wasserspring</u>
POLITICS 147a.	Chinese Government and Politics	
An analysis of the sources of Chinese political behavior, emphasizing the People's Republic period, but touching also on historical, cultural, and sociological factors.		
		<u>Mr. Grow</u>
POLITICS 150aR.	Government and Politics: Southeast Asia	<u>Mr. Sacks</u>
POLITICS 156b.	European Political Systems	<u>Mr. Kelly</u>
POLITICS 161b.	Colonialism and Imperialism	<u>Miss Wasserspring</u>
POLITICS 203a.	Comparative Politics	<u>Mr. Macridis and</u> <u>Miss Wasserspring</u>
POLITICS 232b.	Political Modernization	<u>Mrs. Morgenthau</u>
POLITICS 241a.	Selected Topics in Comparative Analysis	<u>Staff</u>
POLITICS 241b.	Selected Areas in Comparative Politics	<u>Staff</u>

(more)

INTERNATIONAL POLITICS

POLITICS 168b. American Foreign Policy Staff

POLITICS 171a. Multinational Enterprise and National Power

The political implications of the rapid growth over the last two decades of multinational enterprises, involving raw materials and manufacturing, often tying together trade and investment. Effects on national and international politics of the decline in economic power perceived by sovereign states. Students may choose case studies of individual industries or enterprises and their encounters with national and international government--such as oil and Libya, Nigeria, or India, U. S. investment and French, Canadian or Australian politics. Mrs. Morgenthau

POLITICS 172b. Contemporary International Politics Mr. Rosen

POLITICS 174aR. Problems of National Security Staff

POLITICS 178a. International Politics in the Pacific Area Mr. Sacks

See also Politics 154b, Politics of European Integration; and Politics 164a, Comparative Foreign Policy.

POLITICS 204b. International Politics Staff

POLITICS 249a. Selected Topics in Foreign Policy Staff

POLITICAL THEORY AND METHODS

POLITICS 182b. Political Thought from Machiavelli to Rousseau

An examination of major political theories in the context of the intellectual climate of their day. Mr. Hulliung

POLITICS 187a. Liberalism as Political Force and Idea Mr. Kelly

See also Politics 117b, American Political Thought.

POLITICS 250a. Statistical Ideas and Research

See Social Welfare 231a. Mr. Kurtz

POLITICS 252b. Advanced Psychological Statistics

See Psychology 210b. Mr. Frederiksen

POLITICS 255bR. Seminar: Kant, Hegel, Marx Mr. Kelly

POLITICS 259a. Selected Topics in Political Theory Mr. Hulliung

See also History of Ideas and Philosophy offerings. Consult with your graduate advisor for the courses you may take in these departments.

(more)

POLITICS 301-314.

Readings in Politics

- | | |
|--------------------------|-------------------------------|
| 301. <u>Mr. Elliff</u> | 308. <u>Mrs. Morgenthau</u> |
| 302. <u>Mr. Fuchs</u> | 309. <u>Mr. Natchez</u> |
| 303. <u>Mr. Grow</u> | 310. <u>Mr. Oppenheimer</u> |
| 304. <u>Mr. Hulliung</u> | 311. <u>Mr. Roche</u> |
| 305. <u>Mr. Kelly</u> | 312. <u>Mr. Rosen</u> |
| 306. <u>Mr. Levin</u> | 313. <u>Mr. Sacks</u> |
| 307. <u>Mr. Macridis</u> | 314. <u>Miss Wasserspring</u> |

POLITICS 400-4

Dissertation Research

Independent research for the Ph. D. degree.

- | | |
|-------------------------|-------------------------------|
| 400. <u>Mr. Art</u> | 407. <u>Mr. Macridis</u> |
| 401. <u>Mr. Natchez</u> | 408. <u>Mrs. Morgenthau</u> |
| 402. <u>Mr. Fuchs</u> | 409. <u>Mr. Roche</u> |
| 403. <u>Mr. Hindley</u> | 410. <u>Miss Wasserspring</u> |
| 404. <u>Mr. Kelly</u> | 411. <u>Mr. Sacks</u> |
| 405. <u>Mr. Lerner</u> | 412. <u>Mr. Woll</u> |
| 406. <u>Mr. Levin</u> | |

PSYCHOLOGY

FACULTY

Professor Ricardo B. Morant, Chairman

Professor Eugenia Hanfmann

Professor Brendan A. Maher

*Professor Harry Rand

Professor Marianne L. Simmel

Associate Professor Maurice Hershenson

*Associate Professor James B. Klee

Associate Professor David Schneider

Associate Professor Jerome Wodinsky

Assistant Professor Jerome Wodinsky

Assistant Professor John Frederiksen

Assistant Professor Gerald Gorn

Assistant Professor Raymond Knight

Assistant Professor Harvey London

Assistant Professor Leslie McArthur

Assistant Professor Sidney Stecher

Assistant Professor Arthur Wingfield

Adjunct Lecturer Donald B. Giddon

* On Leave, 1971-72

PSYCHOLOGY

Courses of Instruction

PSYCHOLOGY 115a.	Experiential Approaches to Personal Growth	<u>To be announced</u>
PSYCHOLOGY 118a.	Physiological Psychology	<u>Mr. Stecher</u>
PSYCHOLOGY 119b.	Comparative Psychology	<u>Mr. Wodinsky</u>
PSYCHOLOGY 120a. Section I: only:	Experimental Psychology	<u>Mr. Wingfield</u>
PSYCHOLOGY 120aR.	Experimental Psychology	
Section I:		<u>Mr. Wingfield</u>
Section II:		<u>Mr. Morant</u>
PSYCHOLOGY 122b.	Advanced Experimental Psychology	<u>Mr. Hershenson</u>
PSYCHOLOGY 124a.	Human Memory	<u>Mr. Wingfield</u>
PSYCHOLOGY 125a.	Developmental Psycholinguistics	<u>Mr. Lackner</u>
PSYCHOLOGY 126b.	Methods in Personality and Social Psychology	<u>Mrs. McArthur</u>
PSYCHOLOGY 127b.	Temporal Patterning of Behavior	<u>Mr. Lackner</u>
PSYCHOLOGY 130a.	Psychology of Problem Solving	<u>Mr. Klee</u>
PSYCHOLOGY 131b.	Psychology of Symbolic Processes	<u>Mr. Klee</u>
PSYCHOLOGY 132b.	Psychology of Emotions	<u>Mr. Klee</u>
PSYCHOLOGY 133a.	Choice, Will and the Ego	<u>Mr. Klee</u>
PSYCHOLOGY 134a.	Abnormal Psychology	<u>Mr. Knight</u>
PSYCHOLOGY 134aR.	Abnormal Psychology	<u>Mr. Maher</u>
PSYCHOLOGY 135a.	Psychology of Social Change	<u>Mr. Gorn</u>
PSYCHOLOGY 137a.	Personality	<u>Mr. London</u>
PSYCHOLOGY 137aR.	Personality	<u>Mr. Gorn</u>

(more)

PSYCHOLOGY 140b.	Learning and Behavior	<u>Mr. Wodinsky</u>
PSYCHOLOGY 141a.	Biological Bases of Motivation	<u>Mr. Wodinsky</u>
PSYCHOLOGY 142b.	Psychosomatics	<u>Mr. Giddon</u>
PSYCHOLOGY 143b.	Cognitive Processes	<u>Mr. Frederiksen</u>
PSYCHOLOGY 144b.	The Psychology of Language	<u>Miss Simmel</u>
PSYCHOLOGY 145a.	Psychopathology in Childhood	<u>Mrs. Golomb</u>
PSYCHOLOGY 146a.	Psychopathology and Cognition	<u>Miss Simmel</u>
PSYCHOLOGY 148b.	Prejudice and Attitude Change	<u>Mr. Gorn</u>
PSYCHOLOGY 151a.	Utopian Social Psychology	<u>Mr. Schneider</u>
PSYCHOLOGY 152b.	Group Dynamics	<u>Mr. London</u>
PSYCHOLOGY 159a.	Perception	<u>Mr. Stecher</u>
PSYCHOLOGY 159b.	Perception	<u>Mr. Hershenson</u>
PSYCHOLOGY 161a and b.	Field Work in Clinical Psychology	<u>Miss Hanfmann</u>
PSYCHOLOGY 170b.	Tests and Measurements	<u>Mr. Knight</u>
PSYCHOLOGY 171b.	Schools of Psychotherapy	<u>Mr. Knight</u>
PSYCHOLOGY 200a and b.	Observation and Research Strategies in Psychology	<u>Mr. Morant and Staff</u>
PSYCHOLOGY 201a.	Seminar in Abnormal Psychology	<u>Mr. Knight</u>
PSYCHOLOGY 204a.	Contemporary Issues in Psychology: Information Processing Approaches to Perception	<u>Mr. Hershenson</u>
PSYCHOLOGY 205b.	Seminar in Memory, Attention and Language	<u>Mr. Wingfield</u>
PSYCHOLOGY 206a.	Seminar in Learning	<u>Mr. Wodinsky</u>
PSYCHOLOGY 207b.	Seminar in Perception	<u>Mr. Morant</u>
PSYCHOLOGY 208a.	Seminar in Cognition	<u>Miss Simmel</u>
PSYCHOLOGY 210a.	Advanced Psychological Statistics	<u>Mr. Gorn</u>
PSYCHOLOGY 210b.	Advanced Psychological Statistics	<u>Mr. Frederiksen</u>

(more)

- PSYCHOLOGY 212a. Methodology for Research in Personality and
Social Psychology Mr. London
- PSYCHOLOGY 213a. Quantitative Methods for Personality Research
To be announced
- PSYCHOLOGY 218b. Seminar in Social Cognition Mrs. McArthur
- PSYCHOLOGY 219a. Physiological Psychology Mr. Lackner
- PSYCHOLOGY 230b. Master's Level Readings for Propositional Review
Mr. Morant and Staff
- PSYCHOLOGY 240. Advanced Level Readings for Propositional Review
Mr. Morant and Staff
- PSYCHOLOGY 250-261. Master's Research
- | | |
|----------------------------|-----------------------------|
| 250. <u>Mr. London</u> | |
| 251. <u>Mr. Hershenson</u> | 257. <u>Mr. Stecher</u> |
| 252. <u>Mr. Gorn</u> | 258. <u>Mr. Wingfield</u> |
| 253. <u>Mr. Maher</u> | 259. <u>Mr. Frederiksen</u> |
| 254. <u>Mr. Morant</u> | 260. <u>Mrs. McArthur</u> |
| 255. <u>Mr. Lackner</u> | |
- PSYCHOLOGY 290-299. Readings in Psychological Literature
- | | |
|---|--|
| 290. <u>To be announced</u> | |
| 291. <u>Mr. Stecher</u> | |
| 292. <u>Messrs. Wingfield and Lackner</u> | |
| 293. <u>Mr. Wingfield</u> | |
| 294. <u>Mr. Stecher</u> | |
| 295. <u>Mr. Maher</u> | |
| 296. <u>To be announced</u> | |
| 297. <u>Mrs. McArthur and Mr. Litven</u> | |
| 298. <u>Staff</u> | |
| 299. <u>To be announced</u> | |
- PSYCHOLOGY 300. Department Colloquium and Research Seminar
Mr. Morant and Staff
- PSYCHOLOGY 400-405. Dissertation Research
- | | |
|------------------------|----------------------------|
| 400. <u>Mr. Klee</u> | 403. <u>Miss Simmel</u> |
| 401. <u>Mr. Maher</u> | 404. <u>Mr. Hershenson</u> |
| 402. <u>Mr. Morant</u> | 405. <u>Miss Hanfmann</u> |

SOCIOLOGY

FACULTY

Professor Morris S. Schwartz, Chairman
 Professor Egon Bittner
 Professor Emeritus Everett C. Hughes
 Professor Maurice R. Stein
 Professor Kurt H. Wolff
 Associate Professor Gordon Fellman
 *Associate Professor Irving K. Zola
 Assistant Professor Jerome Boime
 Assistant Professor Charles Derber
 Assistant Professor Charles Fisher
 *Assistant Professor Calvin Hicks
 Assistant Professor Clinton Jean
 Assistant Professor Rosabeth Moss Kanter
 Assistant Professor Michelle Patterson
 Assistant Professor Pamela Roby
 Assistant Professor Larry Rosenberg
 Assistant Professor George Ross
 Assistant Professor Samuel E. Wallace

* On Leave, 1971-72

SOCIOLOGY

Courses of Instruction

SOCIOLOGY 102a. Social Psychiatry Mr. Schwartz

SOCIOLOGY 104a. Sociology of Education

An exploration of education institutions with an eye to developing alternative models and programs. Readings will range from Whitehead, Dewey, Veblen through contemporary sources. Mr. Stein

SOCIOLOGY 106a and b. Sociology of Literature Mr. Stein

SOCIOLOGY 107a and b. Issues in Social Psychiatry

Selected contemporary social psychological and psychiatric theories of the self will be compared to the Traditional approach of Yoga. Mr. Rosenberg

SOCIOLOGY 109a. Inequality and Social Policy

The aims of the course will be to acquaint the student with utopian writings and theories concerning equality; the distribution of resources in the United States including income, assets, basic services, opportunities for education and social mobility, opportunities for participation in decision-making, and status; cross-national comparisons of the distribution of these resources; governmental, union and other efforts to reduce inequalities, and radical critiques of these efforts; and for the student to develop an idea of the nature of the stratification system in which he or she would want to live and to consider strategies for arriving at such a system. Miss Roby

SOCIOLOGY 110b. Sociology of Knowledge Mr. Wolff

SOCIOLOGY 113b. Social Ecology of the Urban Environment

The course will examine the classical school of urban sociology as it relates to the modern city. The concepts of social ecology are examined and revised in terms of urban sociological research. Mr. Wallace

SOCIOLOGY 114a. Complex Organizations

Development, structure, and dynamics of complex organizations; the organizational environment of the individual and the social environment of the organization; organizational conflict and change. Student research to be presented in class.

Enrollment limited to fifteen students. Miss Patterson

SOCIOLOGY 115a. The Evolution of Human Social Organization

The course is concerned principally with the development of social stratification and the state and offers an analysis of the factors that have brought about this development. The discussions will also deal with the differences between the institutions (and their effect on human living) that exist in primitive human communities and those that exist in class society. Mr. Jean

(more)

SOCIOLOGY 119a and b. Institutions of a More Humane Society

Students will be expected to draft a working paper in which problems of an institution are presented, and consideration of how the institution might be reorganized in a more humane fashion.

Issues common to all such analyses will be important, as will the attempt to work toward a coherent political analysis of present problems and possible alternative structures.

Limited enrollment.

Mr. Fellman

SOCIOLOGY 120a and b. The Sociology of Underdevelopment

The course will discuss the phenomenon of the underdevelopment of the Third World. The perspective is historical. Topics will include the origins of underdevelopment; the nature of relations between developed and underdeveloped countries; the internal economic, social and political structure of Third World societies; and a critical evaluation of different strategies of development.

The first term will cover the era of Modern Colonialism, and the second the contemporary neo-colonial period. First term not a prerequisite for the second.

Mr. Jean

SOCIOLOGY 122a. Sociology of Power

Mr. Boime

SOCIOLOGY 130a. The Family

Structure and dynamics of the American family. Historical and cross-cultural perspectives. The role of women and children in society. Relationship of the family to economic and political institutions. Alternative models for family life including communes.

Mrs. Kanter

SOCIOLOGY 141a. Marx and Freud

The course will stress Marxian and Freudian treatments of human nature, human potential, social stability, conflict, change, consciousness, the relationship between family and social process, social class and stratification. Topics of contemporary importance will be reviewed in the light of both traditions. Attempts to combine the two approaches will be examined. Lecture, discussion, papers, etc., with special emphasis on making discussion sections effective for the entire range of people in them.

Messrs. Fellman and Ross

SOCIOLOGY 141b. Advanced Seminar on Marx and Freud

Continuation of Sociology 141a on an advanced level, for more intensive study of the issues raised there. Limited enrollment.

Messrs. Fellman and Ross

SOCIOLOGY 145b. Sociology of Life Styles II

An analysis of changes in sexual roles and identities taking place in American society, especially within the "counter-culture" of the young. The course will focus on male identity and consider "sexual politics," male bonding, and changes in the nuclear family.

Mr. Derber

SOCIOLOGY 151b. Environmental Research

A research methods course designed to teach through class and individual research projects. Methods include those relevant to a specific research problem. Research methods include participant observation, social unit sampling, sound recording, photography, depth and structured interviews, questionnaires and secondary data sources.

Mr. Walter

(more)

SOCIOLOGY 152a. Sociology of the Generations

An investigation of the "counter-culture" developing among contemporary youth, with particular concern for the political implications of the Cultural Revolution.

Mr. Derber

SOCIOLOGY 200a. Classical Sociological Theory Mr. Boime

SOCIOLOGY 203a and b. Field Methods in Sociological Research Mr. Fisher

SOCIOLOGY 204a. Sociology and History Mr. Wolff

SOCIOLOGY 207a. Issues in Higher Education Seminar

Comparative systems of higher education; crisis and change in the university; higher education as a social selection mechanism; specific problem areas to be discussed in depth will be determined by student interest and research.

Miss Patterson

SOCIOLOGY 208b. Seminar on Counter Education

The course will review experiments in alternate education ranging from Black Mountain through anti-universities and free universities of the last few years. We will try to work with the class as a laboratory and each student in it will deal with particular kinds of experimentation.

Mr. Stein

SOCIOLOGY 209a. Seminar on Contemporary American Working Class

A review of relevant materials.

Mr. Ross

SOCIOLOGY 216a. Topics in Modern Sociological Theory

Intensive examination of selected trends in contemporary sociological theorizing.

Mr. Bittner

SOCIOLOGY 222aR. Utopia and Utopian Communities Mrs. Kanter

SOCIOLOGY 228aR. Some Pre-Theoretical Problems in Sociology Mr. Wolff

SOCIOLOGY 230-243a and b. Readings in Sociological Literature

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|-------------------------|---------------------------|
| 230. <u>Mr. Bittner</u> | 237. <u>Mr. Rosenberg</u> |
| 231. <u>Mr. Boime</u> | 238. <u>Mr. Ross</u> |
| 232. <u>Mr. Derber</u> | 239. <u>Mr. Schwartz</u> |
| 233. <u>Mr. Fellman</u> | 240. <u>Mr. Stein</u> |
| 234. <u>Mr. Fisher</u> | 241. <u>Mr. Wallace</u> |
| *235. <u>Mr. Hicks</u> | 242. <u>Mr. Wolff</u> |
| 236. <u>Mrs. Kanter</u> | *243. <u>Mr. Zola</u> |

(more)

* On Leave, 1971-72

SOCIOLOGY 257b. Seminar in Social Psychiatry

Each student in the class will be responsible for exploring a set of polar sentiments or subjective characteristics of the person from a variety of socio-psycho-existential perspectives. In addition to using the literature in the class presentation which the student will make, he is expected to personalize the concept by relating his past and present experiences relevant to the concept and by proposing and developing social or interpersonal situations in and out of the classroom that will evoke or illustrate the subjective states he is exploring.

Mr. Schwartz

SOCIOLOGY 265a. Methodology for Research in Personality and Social Psychology

See Psychology 212a.

Mr. London

SOCIOLOGY 301. Advanced Field Research

Staff

SOCIOLOGY 401-415. Dissertation Research

401. Mr. Bittner

402. Mr. Boime

403. Mr. Derber

404. Mr. Fellman

405. Mr. Fisher

406. Mr. Hicks

407. Mr. Hughes

408. Mrs. Kanter

409. Mr. Rosenberg

410. Mr. Ross

411. Mr. Schwartz

412. Mr. Stein

413. Mr. Wallace

414. Mr. Wolff

415. Mr. Zola

THEATER ARTS

FACULTY

Associate Professor James H. Clay, Chairman

Professor Howard Bay

Visiting Professor William Gibson

Associate Professor Martin Halpern

Associate Professor Charles W. Moore

Assistant Professor Maureen Heneghan

Assistant Professor Douglas R. Maddox

Assistant Professor Peter M. Sander

Assistant Professor Andrew J. Silver

Assistant Professor David E. Westphal

Instructor Norman Rizzi

Instructor Carl Tomlin

Lecturer Ann Tolbert

Visiting Lecturer Magdaline Vos

Staff: Walter Dolan, Barry A. Odom

THEATER ARTS

ACTING AND ACTING-DIRECTINGFirst Year:

THEATER ARTS 203.	Advanced Acting Studies: I	<u>Mr. Sander</u>
THEATER ARTS 207.	Body Movement for the Actor: I	<u>Miss Tolbert</u>
THEATER ARTS 209.	Speech Studies for the Actor: I	<u>Mrs. Vos</u>
In addition, one elective course each semester.		

Second Year:

THEATER ARTS 204.	Advanced Acting Studies: II	<u>Mr. Moore</u>
THEATER ARTS 208.	Body Movement for the Actor: II	<u>Miss Tolbert</u>
THEATER ARTS 210.	Speech Studies for the Actor: II	<u>Mrs. Vos</u>
In addition, one elective course each semester.		
THEATER ARTS 213.	Advanced Directing	<u>Mr. Moore</u>

DESIGN-TECHNICAL

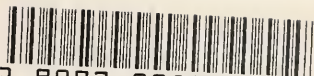
THEATER ARTS 211.	Scenic Design: I	<u>Mr. Bay</u>
THEATER ARTS 212.	Scenic Design: II	<u>Mr. Bay</u>
THEATER ARTS 217.	Advanced Costume Design and Construction: I	<u>Miss Heneghen</u>
THEATER ARTS 218.	Advanced Costume Design and Construction: II	<u>Miss Heneghen</u>
THEATER ARTS 219.	Lighting Design: I	<u>Mr. Maddox</u>
THEATER ARTS 220.	Lighting Design: II	<u>Messrs. Maddox and Bay</u>
THEATER ARTS 221.	Sketching and Rendering: I	<u>Mr. Rizzi</u>
THEATER ARTS 222.	Drafting and Stage Techniques	<u>Mr. Dolan</u>
THEATER ARTS 223.	Scenic Painting	<u>Mr. Rizzi</u>
THEATER ARTS 224.	Stage Mechanics	<u>Mr. Dolan</u>
THEATER ARTS 225.	Production Laboratory: I	<u>Staff</u>
THEATER ARTS 226.	Production Laboratory: II	<u>Staff</u>

(more)

Elective Courses Available to Graduate Students

THEATER ARTS 122a.	Modern Drama	<u>Mr. Halpern</u>
THEATER ARTS 123b.	Contemporary Drama	<u>Mr. Halpern</u>
THEATER ARTS 124a and aR.	Shakespeare	<u>Messrs. Cunningham and Levitan</u>
THEATER ARTS 135.	Popular Arts	<u>Mr. Matthews</u>
THEATER ARTS 165a.	Greek Drama	
The plays of Aeschylus, Sophocles, Euripides and Aristophanes studied in English translation and in connection with major critical theories from Aristotle to the present.		
THEATER ARTS 170a.	Elizabethan and Jacobean Drama	<u>Mr. Halpern</u>
See English 142a.		<u>Mr. Levitan</u>
THEATER ARTS 202.	Seminar	<u>Mr. Halpern</u>

In addition, the following film courses are considered electives: Theater Arts 140a, 140b, 142a, 142b, 143a and b.



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